

**abm abm<sup>®</sup>** | Product  
Catalogue

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 Technical Support

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## Introduction

**abm** is a world leader in developing and marketing research reagents for both academic and biotech communities. Our company is evolving into an one-stop solution for any biological material you may encounter in any project. We are currently the only whole-sale discount supplier in biological materials and are happy to be able to provide you with top value general, cellular, and genetic materials. As our customer, you can rely on us to save you over 50% on any biological material without any compromise on product quality. In addition to the discounts we offer, we are also very innovative in providing thousands of unique biological materials that no other companies currently provide, and with our continual and rapid growth many more novel products will be added to our product line in the years ahead. When you require any material for your research project, whether a gene or protein, simply explore our comprehensive website ([www.abmGood.com](http://www.abmGood.com)) to find the best value and innovative products to expedite your ongoing project.

Another great advantage of becoming a valued **abm** customer is that every product **abm** offers will be shipped with a rewarding gift as appreciation of your customer. Please contact your local sale representatives or our customer service associates for more details.

### Bio-REV Pte. Ltd.

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## 1. General Biological Materials

**abm**'s general biological products cover all materials used daily in any lab for genetic and cellular projects. This includes enzymes for PCR, RT-PCR, qPCR, and other recombinant DNA technologies, innovative DNA staining dyes (SafeView Plus™), markers for DNA and protein, transfection reagents, and small chemical molecules.

### 1.1 PCR Enzymes

**abm** is the leader in next generation PCR enzymes for both quality and discount. All of our enzymes are designed with next generation enzyme technology for highest sensitivity, fidelity, and specificity. They are the premier choices for whole genome sequencing and PCR assays used in personalized medicine.

#### 1.1.1 Taq DNA Polymerases

The most comprehensive range of polymerases for any PCR application, including wild-type Taq Polymerase, and different mutant forms of Taq polymerase for fast PCR, high fidelity, long templates and dirty templates. The availability of our PCR-Sure™ Kits will guarantee universal PCR success for even the most challenging templates.

Product Name	Size	Cat. No.
Bestaq DNA Polymerase	100 U (50 µl)	G456
Taq DNA Polymerase	1000 U (200 µl)	G009
Taq Plus DNA Polymerase	250 U (50 µl)	G012
Precision™ Taq DNA Polymerase	500 U (100 µl)	G078
HotStart Taq DNA Polymerase	250 U (50 µl)	G011
2X PCR Bestaq MasterMix	5 ml (200 PCR reactions)	G464
2X PCR Taq MasterMix	5 ml (200 PCR reactions)	G013
2X PCR Taq Plus MasterMix	5 ml (200 PCR reactions)	G014
TaqFast DNA Polymerase PCR	250 U (50 µl)	G277
PCR-Sure™ Kit	12 x 10 reactions	G065
Bloodirect DNA Polymerase	100 U (100 µl)	G462

### 1.1.2 RT Enzymes

**abm** provides Advanced, improved functional Reverse Transcriptases (RT) for every application to meet your cDNA synthesis needs, including long and complicated RNA templates with secondary structure.

Product Name	Size	Cat. No.
EasyScript™ RT	25 reactions	G231
EasyScript Plus™ RT	25 reactions	G177
EasyScript™ cDNA Synthesis Kit	25 reactions	G233
EasyScript Plus™ cDNA Synthesis Kit	25 reactions	G235
EasyScript™ cDNA Synthesis SuperMix	25 reactions	G451
EasyScript Plus™ cDNA Synthesis SuperMix	25 reactions	G453

### 1.1.3 qPCR Products

Sensitive, reliable qPCR MasterMixes for any brand of qPCR equipment at discount prices. All qPCR products are offered as 500 reactions size (4 x 1.25ml). EvaGreen MasterMixes are used for qPCR reactions based on DNA-binding fluorescent dye (ex. SYBR Green I); TaqProbe MasterMixes are used for qPCR reaction based on TaqMan probe; Whereas KiloGreen MasterMix are used for qPCR reactions with long amplicon up to 1.3kb, therefore could be used in the library construction for whole genome sequencing (WGS).

Cat. No.	Product Name	qPCR Instruments
MasterMix-R	EvaGreen 2X qPCR MasterMix-ROX	-ABI® 7000, 7300, 7700, 7900, 7900HT, StepOnePlus™, StepOne™, OpenArray, PRISM™ Sequencing Detection Series
MasterMix-P	TaqProbe 2X qPCR MasterMix-ROX	-Biometra TOptical -Fluidigm BioMark™ -Watergene SmartChip System -TianLong TL998 System
MasterMix-KR	KiloGreen 2X qPCR MasterMix-ROX	
MasterMix-LR	EvaGreen 2X qPCR MasterMix-Low ROX	-ABI® 7500 Viiatm, QuantStudio -BioGene InSyte™
MasterMix- PL	TaqProbe 2X qPCR MasterMix -Low ROX	-Illumina Eco -Stratagene® Mx3000, Mx3005, Mx4000 -Analytikjena qTower Series
MasterMix-KL	KiloGreen 2X qPCR MasterMix-Low ROX	
MasterMix-iC	EvaGreen 2X qPCR MasterMix-iCycler	
MasterMix-PC	TaqProbe 2X qPCR MasterMix-iCycler	-BioRad® iCycler®, iQ™5, MyiQ™
MasterMix-KC	KiloGreen 2X qPCR MasterMix-iCycler	
MasterMix-S	EvaGreen 2X qPCR MasterMix	-BioRad® CFX96, CFX384, Chromo4™, CFX Connect™, Opticon 2, MiniOpticon™ -Roche LightCycler® (2.0, 1.5, 480, 1536, Nano) -MJ Research Opticon™, Opticon™ 2, Chromo® 4 -Eppendorf® Realplex 4 -BioGene SynChron™
MasterMix-PS	TaqProbe 2X qPCR MasterMix-no dye	-Corbett Rotor-gene® (3000, 6200, 62H0, 6500, 65H0, 6600) -Eppendorf Mastercycler® realplex (s, 4, 4s), Pro (S, 384), Nexus (gradient, eco, flat) -Cepheid SmartCycler®, GeneXpert -Enigma® ML
MasterMix-KS	KiloGreen 2X qPCR MasterMix	-Idaho LightScanner® (24, 32), RapidCycler®2, R.A.P.I.D (LT, LT Food), RAZOR EX, JBAIDS -Qiagen Rotor-Gene™ (Q, 6000) -Takara Dice™ -Thermo Scientific PikoReal -DNA-Technology DT96, DTiite, DT-322 -Bioer LineGene (3310/3320, K FQD-48A, I, II, 9620, 9640, 9660, 9680) -Bioneer Exicycler™
MasterMix-PM	TaqProbe 2X qPCR MasterMix-Multiplex	Any qPCR instrument that supports multiplex reactions

## 1.2 SafeView™ products

Carcinogenic toxicity associated with Ethidium Bromide gel electrophoresis is a major health and environmental concern. Scientists at **abm** have successfully developed alternative, sensitive, non carcinogenic SafeView™ DNA/RNA staining dyes of different colors (SafeView™, SafeView Plus™, Safe-Green™, Safe-Red™, and Safe-White™). SafeView Plus™ is the most advanced and safe DNA staining dye, it has been proven to be superior to any other similar DNA staining dyes on the market.

Product Name	Size	Cat. No.
SafeView Plus™	1 ml (10,000X)	G468
Safe-Pack™	G108 - W,G,R	G108-P
SafeView™	1 ml	G108
Safe-Green™	1 ml	G108-G
Safe-Red™	1 ml	G108-R
Safe-White™	1 ml	G108-W

## 1.3 DNA Marker & Protein Markers

Product Name	Range	Bands	Size	Cat. No.
100 bp Opti-DNA Marker	50 bp - 1.5 kb	17	500 µl/100 loads	G016
100 bp Plus Opti-DNA Marker	100 bp - 3 kb	12	500 µl/100 loads	G193
1 kb Opti-DNA Marker	100 bp - 10 kb	19	500 µl/100 loads	G106
1 kb Plus Opti-DNA Marker	250 bp - 25 kb	14	500 µl/100 loads	G248
Opti-Protein Marker	10 kDa - 175 kDa	11	500 µl	G252
Opti-Protein XL Marker	10 kDa - 245 kDa	12	500 µl	G266



### 1.4 Western Blot and ELISA Products

Quality, discount, whole-sale supplier for ECL, ELISA substrates, and hundreds of secondary antibodies for both Western blot and ELISA applications.

Product Name	Size	Cat. No.
1X Protein Loading Buffer	5 ml	G032
5X Protein Loading Buffer	3 ml	G031
ECL Western Blotting Detection Reagents	2 X 100 ml	G075
Protease Inhibition Cocktail with EDTA	1 ml	G135E
Protease Inhibitor Cocktail	1 ml	G135
ELISA ABTS Substrate for HRP	250 ml	G445
ELISA TMB Substrate for HRP	250 ml	G443
ELISA Ultrasensitive TMB Substrate for HRP	250 ml	G444
Horseradish Peroxidase	100 mg	G015
BCIP-NBT Dye for IHC	250 ml	G447
Fast Red Violet Dye for IHC	250 ml	G446
DTT	3 X 1 ml	G025
PMSF	100 mM in isopropanol; 3 X 1 ml	G034

### 1.5 Transfection Reagents

Premium transfection reagents offer the highest transduction efficiency and minimal toxicity.

Product Name	Size	Cat. No.
DNAfectin™ 2100 Transfection Reagent	1 mg/ml	G2100
RNAfectin™ Transfection Reagent	1 ml (100 - 500 transfections)	G073
Lentifectin™ Transfection Reagent	1 ml	G074
Calciumfectin™ Mammalian Transfection Reagent Kit	Kit (100 transfections)	G099
Proteinfectin™ Transfection Reagent	250 µl	G288

## 1.6 Other Enzymes Used in Molecular Biology

Quality enzymes have been used in whole genome sequencing and general recombinant DNA technologies for performance and significantly discount prices.

### Next Generation Sequencing (NGS) Enzymes and Tools

Product Name	Size	Cat. No.
<i>E.coli</i> DNA ligase	100ul (1000U, 10U/μl)	E007
T4 DNA Ligase	200ul (200U, 1U/μl)	G467
T4 RNA Ligase 1 (ssRNA Ligase)	100ul (1000U, 10U/μl)	E010
T4 RNA Ligase 2 (truncated)	100ul (20000U, 200U/μl)	E012
<i>E.coli</i> DNA Polymerase I	100ul (1000U, 10U/μl)	G469
Klenow Fragment (3'→5' exo-)	100ul (500U, 5U/μl)	E009
<i>E.coli</i> DNA Polymerase I, Large (Klenow) Fragment	100ul (500U, 5U/μl)	E013
Phi29 DNA Polymerase	100ul (1000U, 10U/μl)	E014
T4 DNA Polymerase	125ul (375U, 3U/μl)	E005
RNase H, <i>E.coli</i>	100ul (500U, 5U/μl)	E018
RNase Inhibitor	100ul (4000U, 40U/μl)	G138

### Cloning kits

Product Name	Size	Cat. No.
Ligation-Free Cloning System	25 reactions	E001
Ligation-Free Cloning System	100 reactions	E002
ProClone™ Competent Cell	5ml	E003
Cloning Optimizer	200ul	E004

### DNA/RNA Modifying Enzymes

Product Name	Size	Cat. No.
<b>DNA/RNA Ligases</b>		
<i>E.coli</i> DNA Ligase	100ul (1000U, 10U/μl)	E007
T4 DNA Ligase	200ul (200U, 1U/μl)	G467
T4 RNA Ligase 1 (ssRNA Ligase)	100ul (1000U, 10U/μl)	E010
T4 RNA Ligase 2 (dsRNA Ligase)	100ul (1000U, 10U/μl)	E011
T4 RNA Ligase 2 (truncated)	100ul (20000U, 200U/μl)	E012
<b>Mesophilic DNA Polymerases</b>		
<i>E.coli</i> DNA Polymerase I	100ul (1000U, 10U/μl)	G469
<i>E.coli</i> DNA Polymerase I, Large (Klenow) Fragment	100ul (500U, 5U/μl)	E013
Klenow Fragment (3'→5' exo-)	100ul (500U, 5U/μl)	E009
Phi29 DNA Polymerase	100ul (1000U, 10U/μl)	E014
T4 DNA Polymerase	125ul (375U, 3U/μl)	E005
<b>Nucleases</b>		
Exonuclease I, <i>E.coli</i>	100ul (2000U, 20U/μl)	E015
Exonuclease III, <i>E.coli</i>	100ul (10000U, 100U/μl)	E016
<b>RNases</b>		
RNase H, <i>E.coli</i>	100ul (500U, 5U/μl)	E018
RNase I, <i>E.coli</i>	100ul (5000U, 50U/μl)	E019
RNase III, <i>E.coli</i>	100ul (200U, 2U/μl)	E020
Thermostable RNase H	100ul (500U, 5U/μl)	E008
RNase A	25mg	G117
<b>Phosphatases and Sulfurylases</b>		
Inorganic Pyrophosphatase, Thermostable	100ul (200U, 2U/μl)	E021
<b>Kinases</b>		
T4 Polynucleotide Kinase	125ul (1250U, 10U/μl)	E006
<b>Single-Stranded DNA Binding Proteins</b>		
Extreme Thermostable SSB	100ul, 1mg/ml	E023
<i>E.coli</i> SSB	100ul, 1mg/ml	E022
RecA Protein, <i>E.coli</i>	100ul, 1mg/ml	E024
RecA Protein, Tth	100ul, 1mg/ml	E025
<b>Others</b>		
RNase Inhibitor	100ul (4000U, 40U/μl)	G138
DpnI	100ul (2000U, 20U/μl)	E026
DNase I	1ml (2000U, 2U/μl)	G028

## 1.7 Protein Purification Products

We offer a complete range of different resins, His and Flag tag antibodies at most competitive prices.

Product Name	Size	Cat. No.
Ni-IDA Agarose Resins for Protein Purification	5 ml	G250
Glutathione Agarose Bead Purification Resins	10 ml	G241
Protein A Agarose Column for antibody purification	1 X 1 ml	G245
Enterokinase	100 Units	G699

## 2. Cellular Materials

**abm** is globally recognized leader in primary and immortalized cell lines. We have the largest collection of immortalized human, mouse, and rat cell lines in the world. This includes immortalized human, mouse, rat hepatocytes that can't be found anywhere else. In addition, we also offer reliable and affordable services for any primary cell immortalization project and iPSC project. Our other cutting-edge cell culture products include stem cells (iPSC), viral vectors, mycoplasma detection kits, and general cell culture items such as serum and medium.

Within our cellular materials product range are a unique collection of Tag antibodies and Western Blot loading control antibodies. Because of their highest quality and discount, those products are now used by 70% worldwide customers. Besides these popular antibodies, we also have over 30,000 gene-specific antibodies and the list is growing every day. Another unique collection of cellular materials is recombinant proteins for any human, mouse, and rat gene. Our recombinant proteins are so affordable that there is now no reason for you to invest your precious time and further expense on any unpredictable protein purification project.

### 2.1 Immortalized Cells

Product Name	Size	Cat. No.
Immortalized Human Carotid Artery Smooth Muscle Cells-hTERT	1x10 <sup>6</sup> cells/ml	T0511
Immortalized Human Chondrocytes-SV40	1X10 <sup>6</sup> cells/ml	T0021
Immortalized Human Microglia-SV40	1X10 <sup>6</sup> cells/ml	T0251
Immortalized Hair Follicle Dermal Papilla Cells - SV40	1X10 <sup>6</sup> cells/ml	T0500
Immortalized Human Cardiomyocytes - SV40	1x10 <sup>6</sup> cells/ml	T0445
Immortalized Human Hepatocytes-SV40	1X10 <sup>6</sup> cells/ml	T0050
Immortalized Human Diploid Fibroblasts -hTERT	1X10 <sup>6</sup> cells/ml	T1013
Immortalized Human Ovarian Epithelial Cells-SV40	1X10 <sup>6</sup> cells/ml	T1074
Immortalized Human Pancreas-Beta Cells-SV40	1X10 <sup>6</sup> cells/ml	T0170A
Immortalized Human Benign Prostate Epithelial Cell-SV40	1X10 <sup>6</sup> cells/ml	T0002
Immortalized Human Skin Fibroblast-Myc	1X10 <sup>6</sup> cells/ml	T0301
Immortalized Human Vascular Endothelial Cells [EC-RF24]	1X10 <sup>6</sup> cells/ml	T0003

## 2.2 Primary Cells

Product Name	Size	Cat. No.
Human Primary Subcutaneous Adipocytes	1 X 10 <sup>6</sup> cells/ml	T4000
Human Primary Alveolar Cells-Type 1	1 X 10 <sup>6</sup> cells/ml	T4003
Peripheral Blood Mononuclear Cells	75 X 10 <sup>6</sup> cells/ml	T4103
Human Primary Aortic Endothelial Cells	1 X 10 <sup>6</sup> cells/ml	T4039
Human Primary Osteoblasts	1 X 10 <sup>6</sup> cells/ml	T4015
Human Primary Dendritic Cells	1 X 10 <sup>6</sup> cells/ml	T4021
Human Primary Astrocytes	1 X 10 <sup>6</sup> cells/ml	T4033
Human Primary Mammary Epithelial Cells	1 X 10 <sup>6</sup> cells/ml	T4036
Human Primary Colon Cells	1 X 10 <sup>6</sup> cells/ml	T4056
Human Primary Retinal Pigment Epithelial Cells	1 X 10 <sup>6</sup> cells/ml	T4057
Human Primary Hair Follicle Dermal Papilla Cells	1 X 10 <sup>6</sup> cells/ml	T4059
Human Primary Cardiomyocytes	1 X 10 <sup>6</sup> cells/ml	T4037
Human Primary Cryopreserved Non-Parenchymal Cells	1 X 10 <sup>6</sup> cells/ml	T4061
Human Primary Mesothelial Cells	1 X 10 <sup>6</sup> cells/ml	T4067
Human Primary Oral Epithelial Cells	1 X 10 <sup>6</sup> cells/ml	T4074
Human Primary Pancreatic Cells	1 X 10 <sup>6</sup> cells/ml	T0199
Human Primary Nasopharyngeal Cells	1 X 10 <sup>6</sup> cells/ml	T4070
Human Primary Placental Epithelial Cells	1 X 10 <sup>6</sup> cells/ml	T4076
Human Primary Mesangial Cells	1 X 10 <sup>6</sup> cells/ml	T4086
Human Primary Prostate Cells	1 X 10 <sup>6</sup> cells/ml	T4077
Human Primary Skeletal Muscle Myoblasts	1 X 10 <sup>6</sup> cells/ml	T4068
Human Primary Dermal Endothelial cells	1 X 10 <sup>6</sup> cells/ml	T4097
Human Primary Umbilical Vein Endothelial Cells	1 X 10 <sup>6</sup> cells/ml	T4098

## 2.3 Cell Culture Related Products

Product Name	Size	Cat. No.
T25 Flasks	10 Flasks	G299
Prigrow I Medium	500 ml	TM001
Prigrow II Medium	500 ml	TM002
Prigrow III Medium	500 ml	TM003
Prigrow IV Medium	500 ml	TM004
Trypsin-EDTA	100 ml	TM051
Trypsin-EDTA	500 ml	TM050
USDA Research Grade Origin Fetal Bovine Serum	100 ml	TM999-100
Penicillin/Streptomycin	100 ml	G255

## 2.4 Mycoplasma Detection Kit

Product Name	Size	Cat. No.
PCR Mycoplasma Detection Kit	100 Reactions	G238
Mycoplasma Elimination Cocktail	2 x 1.0ml	G398

## 2.5 Cell immortalization Agents

Product Name	Description	Size	Cat. No.
Lenti-SV40 T Antigen Virus	Recombinant Lentivirus containing SV40 large T antigen ( $10^6$ cfu/ml)	10 ml	G256
Adeno-SV40 Virus	Recombinant Adenovirus containing SV40 large and small T antigen ( $10^6$ pfu/ml)	250 $\mu$ l	G210
Retro-SV40 Virus	Recombinant Retrovirus containing SV40 large and small T antigen ( $10^6$ cfu/ml)	10 ml	G212
Lenti-hTERT Virus	Recombinant hTERT Lentivirus ( $10^6$ cfu/ml)	10 ml	G200
Adeno-hTERT	Recombinant Telomerase Adenovirus ( $10^6$ pfu/ml)	250 $\mu$ l	G205
Retro-E1/hTERT Virus	Recombinant hTERT Retrovirus ( $10^6$ cfu/ml)	10 ml	G207
Lenti-Myc T58A Virus	Recombinant Myc T58A Lentivirus ( $10^6$ cfu/ml)	10 ml	G217
Lenti-Ras V12 Virus	Recombinant Ras V12 Lentivirus ( $10^6$ cfu/ml)	10 ml	G221
Lenti-p53 siRNA Virus	Recombinant p53 siRNA Lentivirus ( $10^6$ cfu/ml)	10 ml	G219
Lenti-Rb siRNA Virus	Recombinant Rb siRNA Lentivirus ( $10^6$ cfu/ml)	10 ml	G223

## 2.6 Stem Cells

Product Name	Description	Cat. No.	Size
iPSC-Minicircle DNA (Human)	Minicircle DNA-Yamanaka	G388	100 µg
	Minicircle DNA-Thomson	G389	
iPSC Lentivirus (Human)	EF1α Promoter Thomson Factors Lentivirus Set	G356	5 X 200 µl
	EF1α Promoter Yamanaka Factors Lentivirus Set	G361	1 X 10 <sup>8</sup> cfu/ml
iPSC Adenovirus (Human)	Thomson Factor Set Adenovirus	000777A	5 X 200 µl
	Yamanaka Factor Set Adenovirus	000779A	
iPSC-Minicircle DNA (Mouse)	Minicircle DNA-mYamanaka	G390	100 µg
	Minicircle DNA-mYamanaka	G391	
iPSC Lentivirus (Mouse)	EF1α Promoter mThomson Factors Lentivirus Set	G371	5 X 200 µl
	EF1α Promoter mYamanaka Factors Lentivirus Set	G372	1 X 10 <sup>8</sup> cfu/ml
iPSC Adenovirus (Mouse)	mThomson Factor Set Adenovirus	000787A	5 X 250 µl
	mYamanaka Factor Set Adenovirus	000789A	
CB iPSC Plasmids	pEV-SFFV-Oct4-2A-Sox2 Vector	G505	1 µg
	Lenti-SFFV-Oct4-2A-Sox2 Virus	G438	1 X 10 <sup>6</sup> cfu/ml

## 2.7 Antibodies

### 2.7.1 Gene-Specific Antibodies

Besides popular tag and loading control antibodies, **abm** also offers 30,000+ gene specific antibodies which is one of the largest in the world. Because of the largest ORF vector library we have, scientists at **abm** are in unique position to evaluate each antibody's specificity with lysates generated from 293 cells transfected with a specific ORF vector. Please visit our website [www.abm-Good.com](http://www.abm-Good.com) to search any specific antibody you are looking for. If you can't find the antibody you are interested in, please contact our customer service associates and you will be assisted instantly.



### 2.7.2 Tag Antibodies

Product Name	Size	Cat. No.
His Tag Antibody(Mouse Monoclonal)	100 µg	G020
HA Tag Antibody(Mouse Monoclonal)	100 µg	G036
GFP Tag Antibody (Mouse Monoclonal)	100 µg	G096
GST Tag Antibody (Mouse Monoclonal)	100 µg	G018
Myc Tag Antibody (Mouse Monoclonal)	100 µg	G019
V5 Tag Antibody (Rabbit Polyclonal)	100 µl	G466
V5 Tag Antibody(Mouse Monoclonal)	100 µg	G189
D Tag Antibody (Mouse Monoclonal)	100 µg	G191
RFP Tag Antibody (Mouse Monoclonal)	100 µg	G093
MBP (Maltose Binding Protein) Tag Antibody	100 µg	G079
VSVG Tag Antibody (Goat Polyclonal)	100 µg	G192
YFP Tag Antibody (Mouse Monoclonal)	100 µg	G163
CFP Tag Antibody (Monoclonal)	100 µg	G164

### 2.7.3 Loading Control Antibodies

Product Name	Size	Cat. No.
Anti-GAPDH Loading Control Monoclonal Antibody	100 µg	G041
Anti-GAPDH Polyclonal Loading Control Antibody	100 µl	Y058203
Anti-Beta-Actin Monoclonal Loading Control Antibody	100 µg	G043
Anti-Beta-Actin Polyclonal Loading Control Antibody	100 µg	G046
Anti-Alpha-Tubulin Monoclonal Loading Control Antibody	100 µg	G094
Anti-Beta-Tubulin Monoclonal Loading Control Antibody	100 µg	G098

## 2.8 Recombinant Proteins and Protein Lysates

(Human, Mouse, Rat)

Our extensive collection of ORF library also extend to protein vector. We have each ORF cDNA already cloned into proper protein expression vectors in a ready-to-express format. As a valuable customer, you have the choices of purchasing a protein expression vector with any ORF cDNA of your interest or expressed protein or cell lysates directly from us. Please visit our website [www.abmGood.com](http://www.abmGood.com) to search any ORF protein expression vector, recombinant proteins, and positive lysates you are interested in. If you can't find your materials due to any reason, please contact our customer service associate and you will be assisted instantly.

## 3. Genetic Materials

**abm** provides the most comprehensive selection of genetic materials in the world, whether it is a cDNA from any specie, siRNA, miRNA, promoter, or in any form vectors of either viral or non-viral origin. We are the one stop solution for your needs of any genetic material. If any material you are looking for is not currently in our database, we can custom-generate it for you at material cost. We are the expert on recombinant DNA technologies and can do better than other competitors in the world.

### 3.1 ORF cDNA Library (Human, Mouse, Rat)

Open Reading Frame of cDNAs from any specie is within our product and service ranges. Please visit our website [www.abmGood.com](http://www.abmGood.com) to search any ORF cDNA material you require. If you are unable to find your required materials for any reason, please contact our customer service associates.

### 3.2 ORF Lentiviral Vector Library (Human, Mouse, Rat)

We have a complete collection of lentivirus ORFs for any specie in our inventory, please visit our website [www.abmGood.com](http://www.abmGood.com) to search any ORF cDNA material you are looking for. If you can't find your materials due to any reason, please contact our customer service associates and you will be assisted instantly.

### 3.3 ORF Adenoviral Library (Human, Mouse, Rat)

We have the world's only complete collection of adenovirus ORF for any specie in our inventory at **abm**. Please visit our website [www.abmGood.com](http://www.abmGood.com) to search any ORF cDNA material you are looking for. If you can't find your materials for any reason, please contact our customer service associates and you will be assisted instantly.

### 3.4 ORF Cumate Inducible Lentiviral Library (Human, Mouse, Rat)

The cumate inducible expression system is the most advanced technology for regulated gene expression developed in the last few years by leading scientists at National Research Laboratories (NRC) of Canada. Due to our leading position in viral vectors, the NRC agreed to license us the right to this technology for world-wide commercialization in recombinant viral vectors. The system has been proven to be the most reliable with the tightest control

on background leak expression in comparison to other traditional inducible expression systems on the market. To date, human, mouse, and rat ORF clones of Cumate inducible Lentivirus have been generated for immediate applications as long as ORF inserts are less than 3.0 kb for a single vector format and 5.0 kb for a duo vector format. Inserts over the specified sizes will make the recombinant lentiviral vectors beyond the lentiviral vector packaging limit. Please visit our website [www.abmGood.com](http://www.abmGood.com) for your specific inducible vector needs.

### 3.5 iLenti siRNA Library (Human, Mouse, Rat)

Scientists at **abm** have developed the most advanced, convergent promoter, signature iLenti siRNA for any human, mouse, rat genes. Simply visit our website [www.abmGood.com](http://www.abmGood.com) to search for any siRNA lentiviral vector you may require. Advantages in using our convergent promoter system over a traditional hairpin loop single vector include:

- a. Flexibility for either transfection or viral infection.
- b. Vector stability no special competent cells required.
- c. Potent 27 - 29 bp oligos.
- d. Convergent promoters to avoid hairpin loop structures, making sequencing and plasmid growth much easier.

### 3.6 miRNA Library (Human, Mouse, Rat)

**abm** is one of few pioneering institutions that has developed a whole genome human and mouse miRNA lentivirus library and a qPCR-based whole genome miRNA profiling system. In addition, we have also developed the only library in the world for every human and mouse miRNA adenoviral vector. So, for any miRNA lentiviral and adenoviral vector as well as qPCR miRNA array, **abm** stands alone as the top choice for your project.

### 3.7 ORF Protein Expression Vector Library (Human, Mouse, Rat)

Because of our extensive collection for human, mouse, and rat ORF cDNAs, we have generated bacteria protein expression vectors for every ORF material we have. Please visit our website [www.abmGood.com](http://www.abmGood.com) to search any ORF expression vector you require for immediate recombinant protein induction and purification.

## 4. Custom Services

Over the last 10 years, scientists at **abm** have developed a variety of special technology platforms and served thousands of customers for their special material needs in the following areas. The services we provided are so affordable (material and labour costs) and reliable that there is really no reason that you would like to take any of the following work yourselves. In addition, our superb services are risk-free and you will not pay anything until we can deliver your materials.

### 4.1 Custom Cloning

Fast turn-around time & low material cost, no matter what insert sizes are.

### 4.2 Site-direct Mutagenesis

Fast turn-around time & low material cost, no matter how big insert sizes are.

### 4.3 Lentivirus

The most affordable lentivirus packaging system on earth  
lentivirus at a concentration  $10^6$  TU/ml.

### 4.4 Adenovirus

Custom adenovirus cheaper than an adenovirus cloning kit on the market.

### 4.5 Stable Cell Line

The most reliable service for any stable cell line generation.

### 4.6 Custom Antibody

Both polyclonal and monoclonal antibody services are of great quality, beating any price quote from competitors.

### 4.7 Recombinant Protein Production

We are the leader in both bacteria and mammalian cell expression. Give us your project and we will deliver.

## 4.8 Custom Cell Immortalization

The leading service provider in the world for custom cell immortalization.

## 4.9 miRNA Profiling

Providing accurate service at material cost.

Product Name	Description	Size	Cat. No.
Custom miRNA Profiling Service (Human)	1034 Mature Human miRNAs Based on miRBASE 16.0	Each Sample	C201
Custom miRNA Profiling Service (Mouse)	730 Mature Mouse miRNAs Based on miRBASE 16.0	Each Sample	C202
miRNA Profiling Kit (Human)	Human miRNAs Based on miRBASE 16.0	3 rxns	MA003
miRNA Profiling Kit (Mouse)	Mouse miRNAs Based on miRBASE 16.0	3 rxns	MA004

## 4.10 Whole Genome Sequencing

Standing confidently against the biggest names in the current market for demanding, high fidelity PCR applications and Whole Genome Sequencing, **abm**'s enzymes offer the highest accuracy rates available on the market with superior sensitivity and yield and extremely robust performance. To further harness the benefits of their proprietary enzyme technology, **abm** has established the Whole Genome Sequencing service"

## 4.11 Plasmid Sequencing

Accuracy is of paramount significance to any form of genetic materials used in life science research. Due to our large volume of sequencing, **abm** is able to offer quality plasmid sequencing at the most competitive price.

## 4.12 Oligo Synthesis

With the most advanced oligo synthesizer, **abm** is able to offer a deep, flat discount oligo synthesis at a unmatched discount in addition to other special oligo synthesis like fluorescent conjugated primers or Taqman probes.