

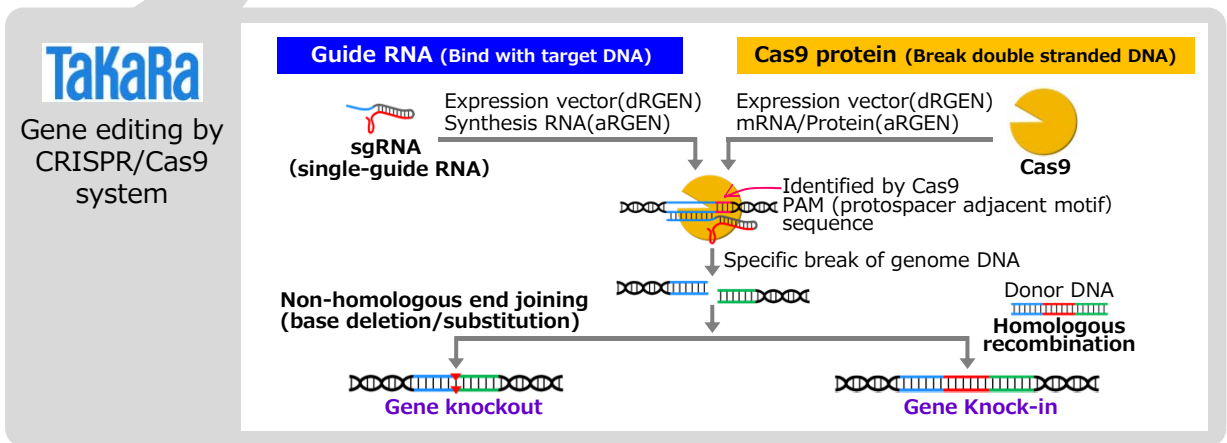
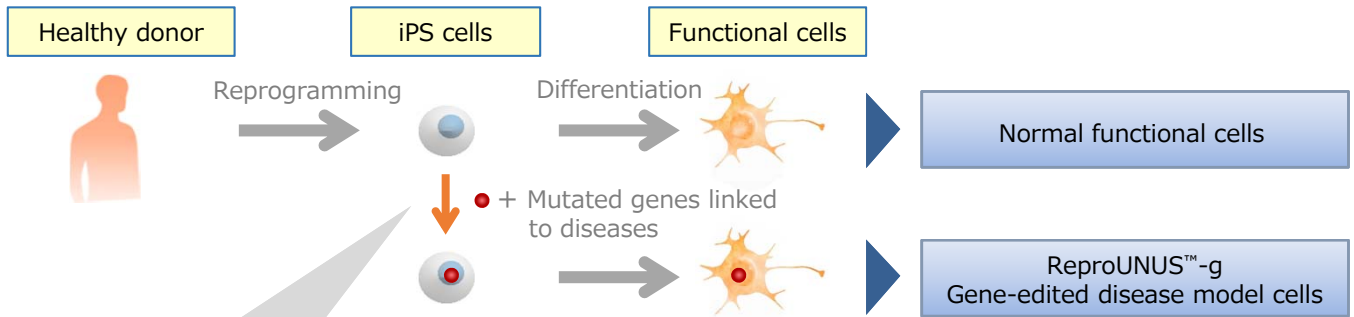
## Tailored disease model cells derived from human iPS cells



- Tailored disease model cells for various kinds of disease
- 2 types of services;
  - ReproUNUS™-g : human iPS cell derived functional cells involving gene editing by CRISPR/Cas9 system
  - ReproUNUS™-p : patient derived iPS cell derived functional cells
- Stably provided as differentiated cells such as Neurons, Hepatocytes and Cardiomyocytes

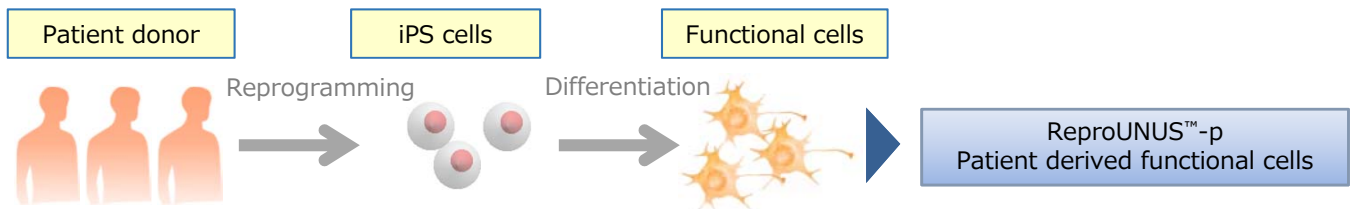
**ReproUNUS™-g : Gene editing type**

Genes of human iPS cells through CRISPR/Cas9 system. Only target genes are edited and other genes are kept original. This allows functional comparison between modified cells and control cells without the modification.



**ReproUNUS™-p : Patient derived type**

Custom disease model cells are available based on customer's preference about patients profiles.



**Service flow**

	1. Consultation	2. Establish iPS cell line	3. Manufacture disease model cells	4. Deliver disease model cells
<b>ReproUNUS™-g</b> Gene editing type	Understand introduced gene and preferred character of cells	Edit genes of ReproCELL's human iPS cell line	Differentiate iPS cells into Neurons, Hepatocytes or Cardio-myocytes	ReproCELL maintains human iPS cell line and manufactures at customers request. Offer protocol and training for thawing and plating
<b>ReproUNUS™-p</b> Patient derived type	Understand preference about patients profiles	Obtain tissue of patients with partner companies and establish iPS cell line	Differentiate iPS cells into Neurons, Hepatocytes or Cardio-myocytes	ReproCELL maintains human iPS cell line and manufactures at customers request. Offer protocol and training for thawing and plating

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