

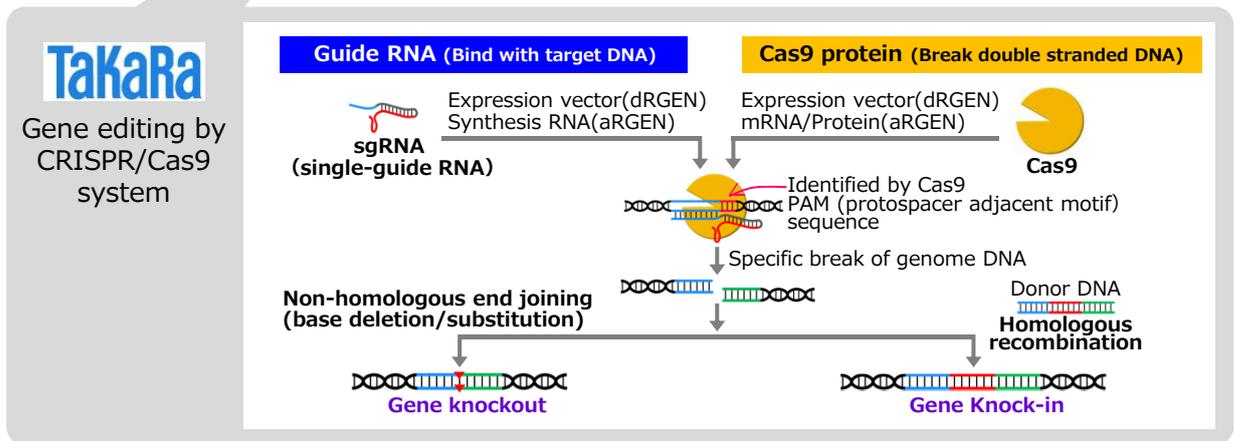
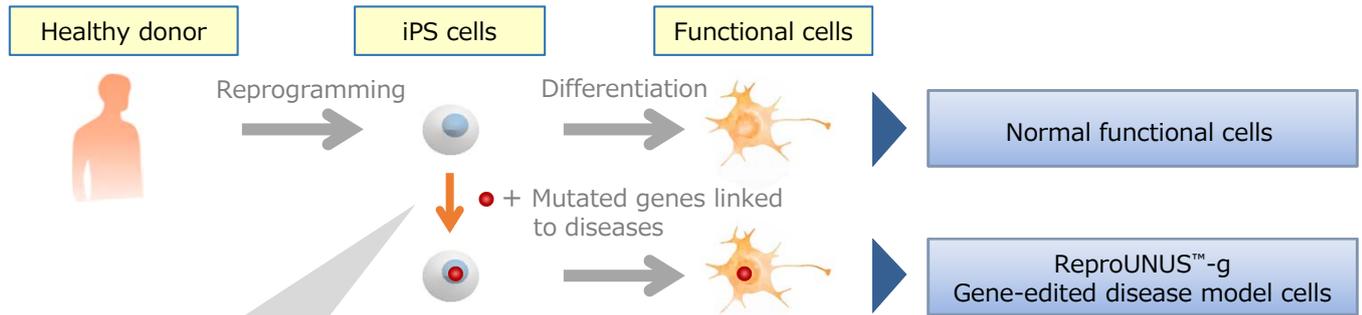
Tailored disease model cells derived from human iPS cells



- 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

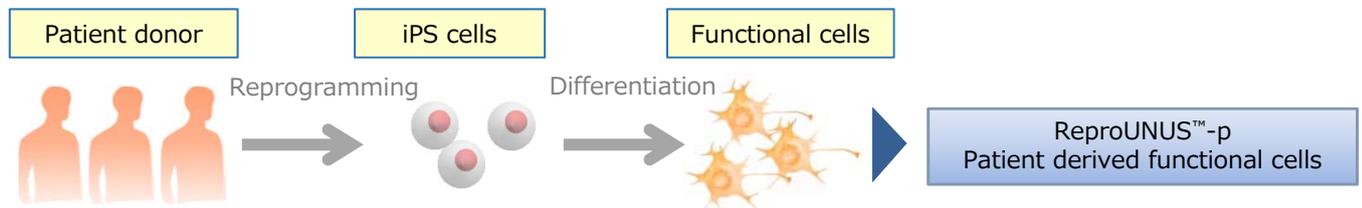
ReproUNUS™-g : Gene editing type

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 |
|---|---|--|--|--|
| ReproUNUS™-g 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 |
| ReproUNUS™-p Patient derived type | Understand preference about patients profiles | Obtain tissue of patients with partner companies and establish iPS cell line | | |

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