

TALEN Assembly Kit

TALEN (Transcription Activator-Like Effector Nuclease) is a novel gene targeting technology, which can solve the problem of low efficiency of RNAi and make gene targeting more convenient and efficient compared to the disadvantages of Zinc finger Nuclease Technology (ZFN) which is high cost, complicated screening, high cell toxicity and low-efficiency.



Features of our kit :

- **Simple:** only a single step of ligation and transformation; can be handled by anyone with basic molecular biology skills.
- **Fast:** accomplish TALEN construction within 1 day; obtain sequenced TALEN vector within 3 days.
- **Cost-efficient:** the cost of each TALEN vector is less than \$100.
- **PS :** Patent application pending.

Successful species :

Animal : Human, mouse, rat, rabbit, goat, porcine, zebrafish, *Drosophila*, *Bombyx* and *Xenopus*;
Plant : *Oryza sativa*, *Arabidopsis*; **Germ :** Yeast.

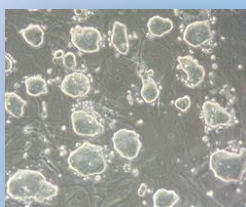
Embryonic stem cell/iPSC starter kit



- Embryonic stem cell starter kit - Human, mouse, rat;
- iPSC starter kit – Human, monkey, mouse, rat, cow, bovine, goat, porcine, horse, dog.

Embryonic stem cell/iPSC characterization kit

- Human Embryonic Stem Cells/iPS Characterization Kit
- ES/iPS Cell Characterization Kit
- Mouse ES/iPS Characterization Kit



- **Embryonic stem cells** - Human, mouse, rat;
- **iPS cells** – Human (GFP positive, SiDSH-01, SiDSH-03), mouse (Oct4P-GFP MEF), rat.

MEF

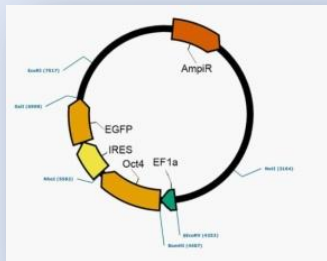


- Primary Mouse Embryonic Fibroblasts, Strain CF1, γ -ray irradiated, passage 3
- Primary Mouse Embryo Fibroblasts, Strain CF1, not γ -ray irradiated, passage 1
- Primary Mouse Embryonic Fibroblasts, Strain C57/BL6, γ -ray irradiated, passage 3
- Primary Mouse Embryo Fibroblasts, Strain C57/BL6, not γ -ray irradiated, passage 1

Virus for somatic reprogramming (iPS virus)

Lentivirus: OCT1, SOX2, NANOG, LIN28, C-MYC, KLF4, SV40LT, 4 factors mixture (Y4/T4), 6 factors mixture
Adenovirus: OCT1, SOX2, NANOG, LIN28, C-MYC, KLF4, SV40LT

Plasmid specified for somatic reprogramming (iPS plasmid)



Lenti- EF1a-SV40LargeT-IRES-EGFP, Lenti- EF1a-hTERT-IRES-EGFP
 pCMV-dR8.91, pCMV-VSVG
 Lenti-EF1 α -EGFP-TRE-SOX2, Lenti-EF1 α -EGFP-TRE-OCT4, Lenti-EF1 α -EGFP-TRE-NANOG, Lenti-EF1 α -EGFP-TRE-LIN28, Lenti-EF1 α -EGFP-TRE-KLF4, Lenti-EF1 α -EGFP-TRE-C-MYC, Lenti-EF1 α -rttA-IRES-EGFP, Lenti-EF1 α -SOX2-IRES-EGFP
 Lenti-EF1 α -OCT4-IRES-EGFP, Lenti-EF1 α -NANOG-IRES-EGFP, Lenti-EF1 α -LIN28-IRES-EGFP, Lenti-EF1 α -KLF4-IRES-EGFP, Lenti-EF1 α -CMYC-IRES-eGFP

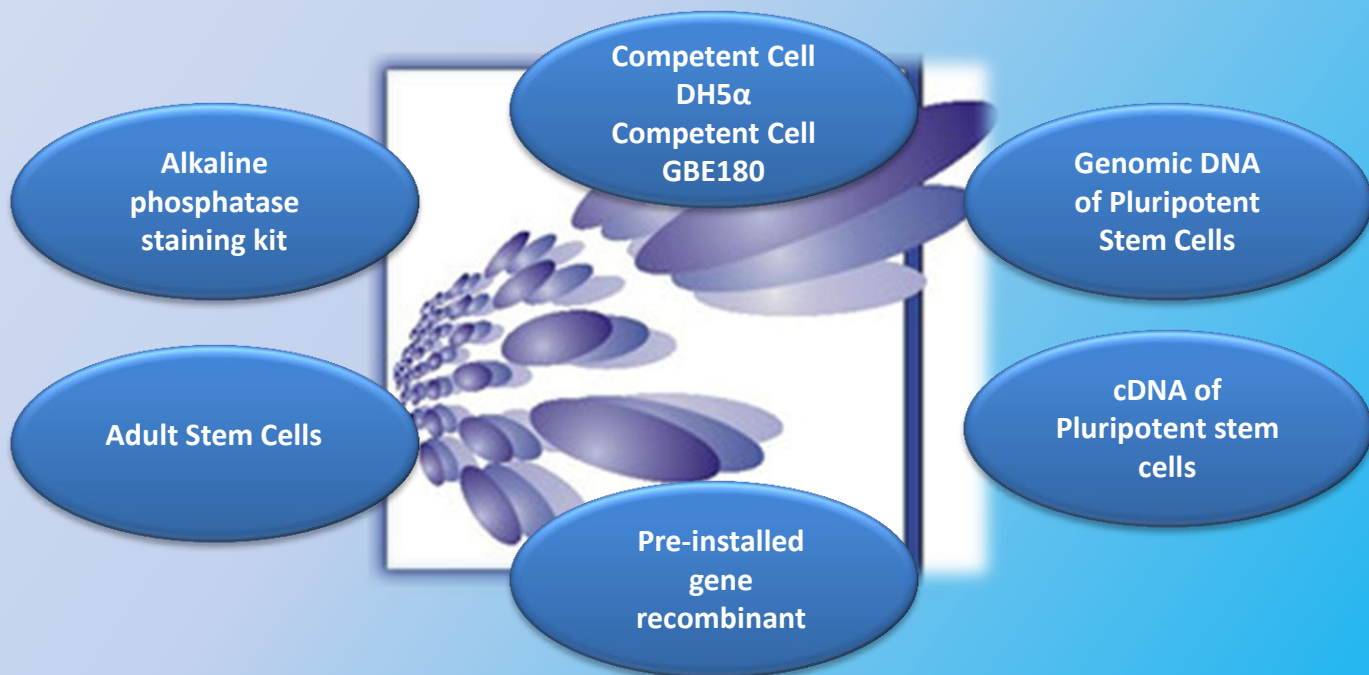
Stem Cell Culture Media & Reagents



Medium for Human Embryonic Stem Cells, with bFGF);
 Condition Medium for Human Embryonic Stem Cells, without bFGF;
 Condition Medium for Human Embryonic Stem Cells, with bFGF;
 Condition Medium for Human Embryonic Stem Cells, without bFGF;
 Complete Medium for Rat Embryonic Stem Cell;
 Mouse Embryonic Stem Cell Complete Medium;
 Mouse Embryonic Stem Cell Medium, without LIF;

Mouse Embryonic Stem Cell Cryopreservation Media, 2 \times ;Complete Medium for Fibroblasts cell
 Human Embryonic Stem Cell Qualified 2 \times Cell Culture Freezing Medium; Medium for Porcine Induced Pluripotent Stem Cell; Fibroblasts Cell Qualified 2 \times Cell Culture Freezing Medium
 Cryopreservation Media, 2 \times ; Collagenase Type IV; Matrigel; Dispase; Polybrene; Doxycycline

Other products



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