

easy iPSC + Antibody Sample Kit

Cat. No. GTX400002

Applications	ICC/IF, RT-PCR
Reactivity	Human, Mouse

Package
1 kit

PRODUCT

Summary

Minicircle DNA for iPSC Production + 25 µL each of Nanog, SOX2, OCT3/4 and LIN28A antibodies. Easy iPSC is a simple non-viral solution for reprogramming terminally differentiated cells into pluripotent stem cells. One simple transfection delivers all four transcription factors required. This specially designed minicircle DNA plasmid is devoid of any bacterial replication sequences that would induce endogenous silencing mechanisms, significantly enhancing the transfection efficiency. The vector includes a GFP reporter to easily identify and facilitate sorting of pluripotent cells.

This kit includes the following:

- GTX400001 - easy iPSC (100 µL)
- GTX100622 - OCT3/4 antibody (25 µL)
- GTX101507 - SOX2 antibody (25 µL)
- GTX100863 - NANOG antibody (25 µL)
- GTX121923 - LIN28A antibody (25 µL)

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ICC/IF	Assay dependent
RT-PCR	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	TE Buffer
Preservative	No Preservative
Storage	Store at -20°C. Maintain under sterile conditions.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

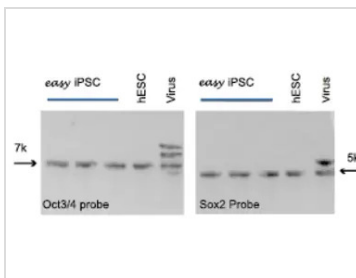
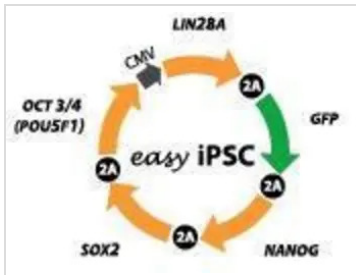
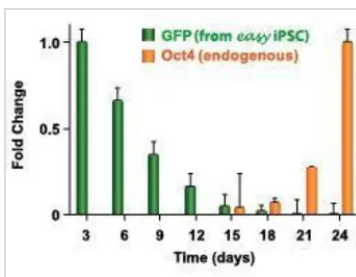
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DATA IMAGES

easy iPSC Advantage			
Comparison	easy-iPSC	Plasmid	Virus
Delivery	All genes in single transfection	One single or multiple plasmid	Multiple viruses delivered
Safety	Extremely Safe	Extremely Safe	Requires BSL-2
Gene expression	Very High	Low	Very High
Duration	Increased duration	Extremely short	Permanent
Genomic Integration	No	No	Yes
Stoichiometry	Predictable 1:1:1:1	Complex and Unpredictable	Unpredictable
Sample Preparation	Ready to Use	Requires isolation and purification	Requires tissue culture and purification

GTX400002 Image

GTX400002 Image

GTX400002 Image

GTX400002 RT-PCR Image

easy iPSC induces the expression of endogenous OCT4 in hASC as determined by RT-PCR. Primers specific for the 3' UTR of endogenous OCT4 (GTX80102) were used for analysis. Image from Jia et al. 2010. Nature Methods, 7(3).



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