



6F Reprogramming Premix

Contains all the factors necessary for accelerated iPSC reprogramming

mRNA based iPSC reprogramming offers numerous advantages when compared to other transient generation methods. RNA reprogramming eliminates the risk of DNA integration which further obviates post generation screening. In our latest publication, "Feeder-Free Derivation of Human Induced Pluripotent Stem Cells with Messenger RNA" which appears in Scientific Reports, Dr. Luigi Warren and the team of scientists at Allele Biotechnology present a substantially enhanced mRNA reprogramming protocol. By harnessing engineered reprogramming factors and optimizing various experimental conditions we can now offer feeder-free, xeno-free NextGen mRNA that can reprogram human skin cells to pluripotency in under two weeks with unparalleled efficiency.

6F mRNA Reprogramming Premix contains all the factors necessary for accelerated iPSC reprogramming in one convenient mix as well as a fully validate reprogramming protocol. The mix is functionally validated and ready for use in your reprogramming experiments. One vial of premix is sufficient to conduct feeder-free reprogramming on ten wells in a 6-well plate format. Our next-gen mRNA technology allows for highly efficient iPSC generation in less time than any other current methods.

Box 1 | Product Info

Cat#: ABP-SC-6FMRNA	
Content	Qty
Ready to transfect mRNA of 6 reprogramming factors	50µg
Store at -20°C	

Features

- ◆ 6 reprogramming factors mixed at optimal ratios for next generation mRNA iPSC generation.
- ◆ Each vial contains 50 micrograms of mRNA which is suitable for 10 experiments
- ◆ Premixed mRNA are ready to use for daily transfection.

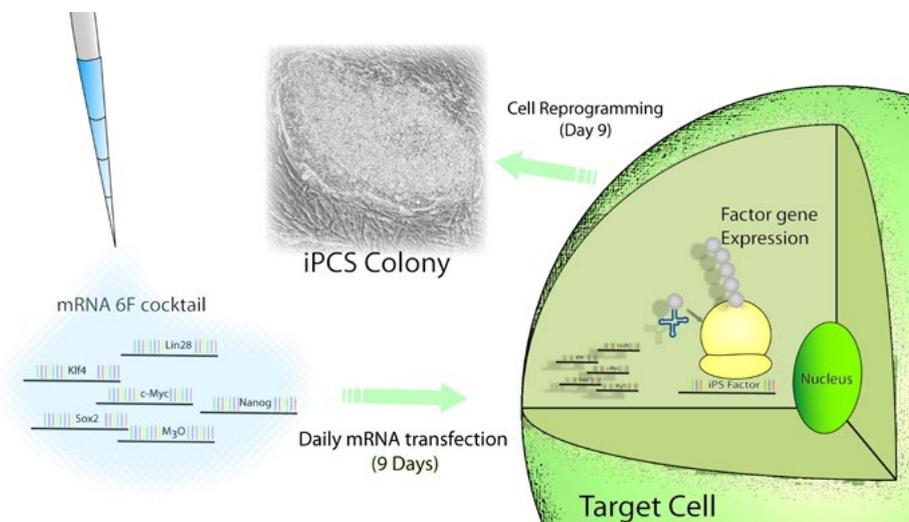
For Research Use Only. Not for Diagnostic or Therapeutic Use.

Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Allele Biotech is strictly prohibited

References

1. Warren, L. *et al.* Feeder-Free Derivation of Human Induced Pluripotent Stem Cells with Messenger RNA. *Scientific Reports*, srep00657 (2012)

Box 2 | Overview



Handling Notes

Freeze/Thaw Cycles: Generally speaking, RNA molecules (like the 6F mRNA Premix) are not affected by repeated Freeze/Thaw cycles nearly as much as functional proteins. When it is time to use the 6F mRNA premix in your reprogramming experiments, thaw the vial on ice or at RT, take out the required portion, then store the rest at -20°C or -80°C.

Preventing Contamination: When working with the 6F mRNA Premix, it is essential to prevent contamination from RNase by wearing clean gloves and using certified pipet tips. A procedure worth considering is to aliquot the original vial into smaller volumes. This extra step may help in avoiding contaminating the stock solution when pipetting.

ABP-SC-6FMRNA

Storage and Stability: Allele Biotech's reprogramming mRNA premix has been found to remain entirely effective for at least 3 months with repeated thawing and freezing when stored properly at -20°C or below after each use.

Restrictions

Commercial use of this product is prohibited without a license agreement with Allele Biotechnology and Pharmaceuticals, Inc.



Material Safety Data Sheet

Product: 6F mRNA Reprogramming Premix

Catalog Number: ABP-SC-6FMRNA2

Product and Company Information

Product Name	6F mRNA Reprogramming Premix
Catalog Number	ABP-SC-6FMRNA
Manufacturer/Supplier	Allele Biotechnology and Pharmaceuticals, Inc. 6404 Nancy Ridge Dr. San Diego, CA 92121 USA
In Case of Emergency Call	1.858.587.6645
Date Effective	July 20, 2013
Prepared by	Allele Biotech

Allele Biotech has determined that this product does not require an MSDS per United States and European Union regulations, given the components.