

Product

KSB[®] iNSC Cell-Lines

Retain their proliferation and differentiation potential for more than 15 passages!





igodendrocytes

KSB[®] hNPC (Niemann-Pick Type C Disease) DF-iNSC



2016 Nobel Prize in PHYSIOLOGY or MEDICINE

Niemann-Pick Type C Disease

hNPC is caused by genetic mutation in the NPC1 gene. Cholesterol and glycolipid are accumulated in the lysosome caused by autophagy dysfunction. hNPC is also known as childhood Alzheimer's disease.

C hNPC-DF has UNBALANCED AUTOPHAGY LEVEL! C K-hNPCDF-iNSC is useful for **AUTOPHAGY STUDY**!



KANG STEM BIOTECH



Induced Human **Neural Stem Cells**

Toxicology & Drug Screening





Kangstem Biotech Co., Ltd.

Web: www.kangstem.com

E-mail: info@kangstem.com



Papar
Cell Reports
Kangstem Biotech developed Novel iNSC Induction Protocol
<section-header><section-header><section-header><section-header><section-header><section-header><section-header><image/><section-header><image/><image/><image/><image/><image/><image/></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>
▲ Reported in Cell Reports (2015)
hDF-iNSC hMSC-iNSC hC interference of the second s
Colony appear time SOX2 only Kangstem's protocol 5 10 15 20 Day
 NESTIN⁺/PAX6⁺ iNSC colony formation time was si induction method. NESTIN⁺/PAX6⁺ colony forming efficiency was 10 t induction method.





significantly faster than that of SOX2 only

D times higher than that of SOX2 only

Product

KSB[®] Retroviral Reprogramming Kit

A Simple and Efficient Induction Kit!



- Only 2 Factors Required
- iNSC colonies are obtained within 1 to 2 weeks
- Colony Forming Ratio: About 0.5%
- Applicable to various cell sources: human dermal fibroblasts (hDFs), human mesenchymal stem cells (hMSCs), human blood cells (hCBs)



