



Guaranteed Knockout Stable Cell Line

Available Edits:

Frameshift, stop codon, fragment deletion

Single, Double, or Triple Knockout in all types of host cell lines



Development of Knockout Stable Cell Line is essential for drug discovery. However, you might have got caught in the following situations in the process of knockout stable cell line generation:

- Repetition of plasmid preparation, low transfection efficiency, tedious clone picking
- Unable to transfect vector into certain cell lines
- Worried about missing "cell growth phase"
- No monoclonal clones

Good News

Choose Runtogen's One-stop Gene Knockout Cell Line Services

Runtogen's promise:

- Delivery or no charge
- Any gene and any type of host cell line for your project
- 100% success of developing over 500 knockout cell lines in the past years
- Guaranteed expression of your genes validated by specific screening methods designated for your protein

Guaranteed 100% Knockout Single Cell-derived Clones

With our years of experience generating mature, primary-like cells from iPSCs and our proficiency at using CRISPR for targeted genome editing, we can build the cells that best reflect the biology you wish to model.

Knockout Cell Line Service Workflow:

01 Cell line evaluation

02 gRNA design, screening, and construction

03 Transfection and optimization

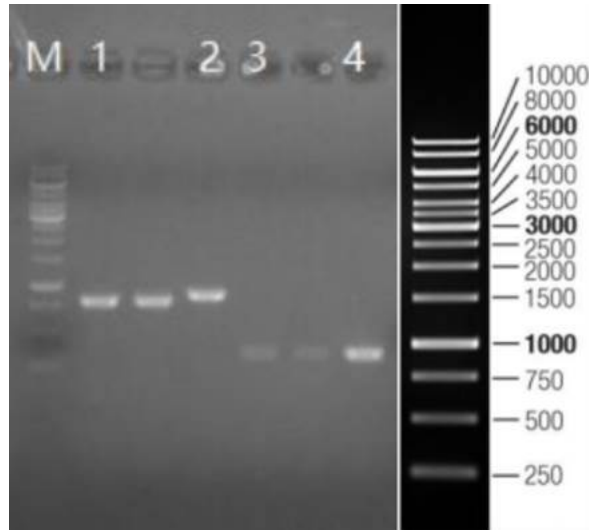
04 Screening for single positive clones

05 Cell expansion and validation

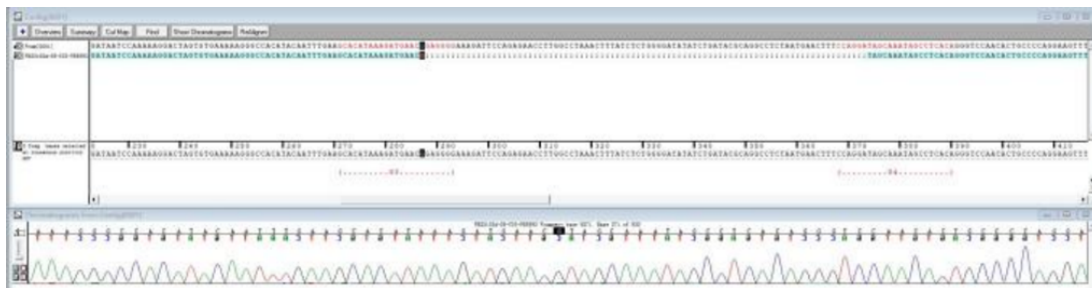
06 Delivery

Show Case: Human NSD1 Knockout model in U-87 MG Cell Lines Service

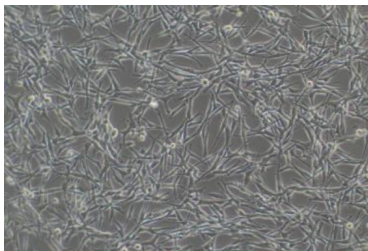
NSD1 locus in U-87 MG was knocked-out by creating indels in exon 5, as shown in the targeting strategy.



PCR Identification for positive clones



Sanger Sequencing Result



U-87 MG-hNSD1_01-F9_KO_100X

It is just a phone call or email away now!
Tel: 303-522-8502; Email: info@runtogen.com