

Product datasheet for KN209148BN

SCD1 (SCD) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

SCD1 Symbol: 6319 Locus ID:

KN209148G1, SCD1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN209148G2, SCD1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209148BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 005063

UniProt ID: 000767

Synonyms: FADS5; hSCD1; MSTP008; SCD1; SCDOS

This gene encodes an enzyme involved in fatty acid biosynthesis, primarily the synthesis of **Summary:**

oleic acid. The protein belongs to the fatty acid desaturase family and is an integral

membrane protein located in the endoplasmic reticulum. Transcripts of approximately 3.9 and 5.2 kb, differing only by alternative polyadenlyation signals, have been detected. A gene encoding a similar enzyme is located on chromosome 4 and a pseudogene of this gene is

located on chromosome 17. [provided by RefSeq, Sep 2015]



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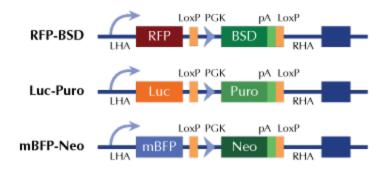
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Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter