

Product datasheet for KN200282RB

NPC2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: NPC2 Symbol: Locus ID: 10577

KN200282G1, NPC2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN200282G2, NPC2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200282RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is

> designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: NM 006432, NM 001363688

UniProt ID: P61916

Synonyms: EDDM1; HE1

Summary: This gene encodes a protein containing a lipid recognition domain. The encoded protein may

> function in regulating the transport of cholesterol through the late endosomal/lysosomal system. Mutations in this gene have been associated with Niemann-Pick disease, type C2 and

frontal lobe atrophy. [provided by RefSeq, Jul 2008]



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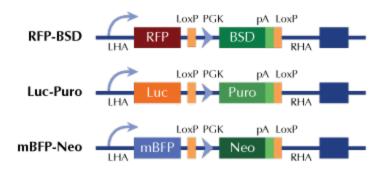
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Product images:

Donor Vector Edited Chromosome



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