

Product datasheet for KN207131RB

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CISD2 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: RFP-BSD Symbol: CISD2 Locus ID: 493856

Components: KN207131G1, CISD2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207131G2, CISD2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207131RBD, 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: <u>NM 001008388</u>

UniProt ID: Q8N5K1

Synonyms: ERIS; Miner1; NAF-1; WFS2; ZCD2

Summary: The protein encoded by this gene is a zinc finger protein that localizes to the endoplasmic

reticulum. The encoded protein binds an iron/sulfur cluster and may be involved in calcium homeostasis. Defects in this gene are a cause of Wolfram syndrome 2. [provided by RefSeq,

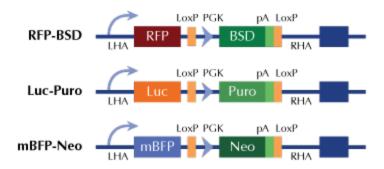
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Product images:

Donor Vector Edited Chromosome



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