

Product datasheet for KN207131BN

CISD2 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

CISD2 Symbol: Locus ID: 493856

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

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

KN207131BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 001008388

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,

Mar 2011]



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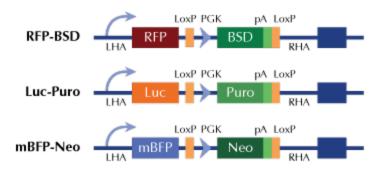
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Product images:

Donor Vector Edited Chromosome



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