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Product datasheet for KN207131

CISD2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

Donor DNA: GFP-puro

Symbol: CISD2

Locus ID: 493856

Components: **KN207131G1**, CISD2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAAGCATTACCGGGTTCGCT
KN207131G2, CISD2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGCGTGGCCCGTATCGTGA
KN207131D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
Homologous arm and GFP-puro sequences:
pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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TTCAGCTCCG GTTCCCAACG ATC

GE100003, scramble sequence in pCas-Guide vector

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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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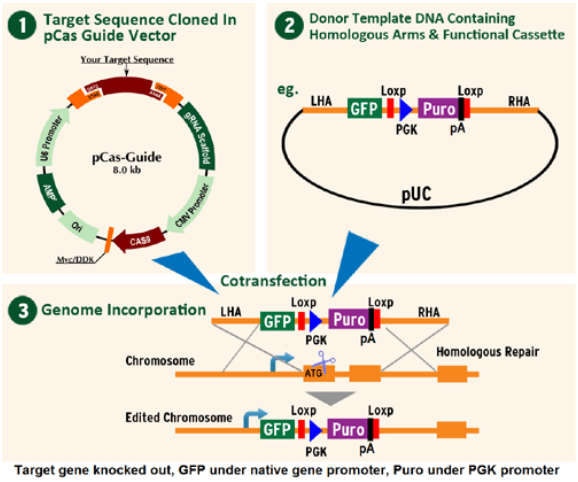

Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter

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