

Product datasheet for **KN208058**

FECH 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: FECH
Locus ID: 2235
Components: **KN208058G1**, FECH gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTCCGCGATCCGCGTAAGT
KN208058G2, FECH gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACTCGGCGCAAACATGGCTG
KN208058D, 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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 GGGGGATCAT GTAACCTGCC TT

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_000140](#), [NM_001012515](#)

UniProt ID:

[P22830](#)

Synonyms:

EPP; FCE

Summary:

The protein encoded by this gene is localized to the mitochondrion, where it catalyzes the insertion of the ferrous form of iron into protoporphyrin IX in the heme synthesis pathway. Mutations in this gene are associated with erythropoietic protoporphyria. Two transcript variants encoding different isoforms have been found for this gene. A pseudogene of this gene is found on chromosome 3.[provided by RefSeq, May 2010]

Product images:

