

Product datasheet for KN306419RB

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Gfpt1 Mouse 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: Gfpt1 Locus ID: 14583

Components: KN306419G1, Gfpt1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN306419G2, Gfpt1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN306419RBD, 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 013528</u>

UniProt ID: P47856

Synonyms: 2810423A18Rik; Al324119; Al449986; GFA; GFAT; GFAT1r; GFAT1m; Gfpt

Summary: Controls the flux of glucose into the hexosamine pathway. Most likely involved in regulating

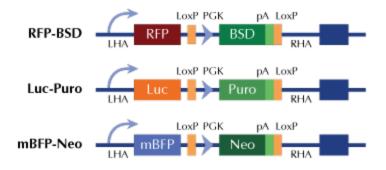
the availability of precursors for N- and O-linked glycosylation of proteins. Regulates the circadian expression of clock genes ARNTL/BMAL1 and CRY1.[UniProtKB/Swiss-Prot Function]





Product images:

Donor Vector Edited Chromosome



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