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Product datasheet for KN205201

GPRC5B 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: GPRC5B

Locus ID: 51704

Components: **KN205201G1**, GPRC5B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTCGGTGCACCCCTCACGT
KN205201G2, GPRC5B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGTGGTGGCGATCCTGCGT
KN205201D, 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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CACGCTCGTC GTTTGGTATG GCTTCATTCA GCTCCGGTTC CCAACGATC

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_001304771, NM_016235

UniProt ID: Q9NZH0

Synonyms: RAIG-2; RAIG2

Summary: This gene encodes a member of the type 3 G protein-coupled receptor family. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The encoded protein may modulate insulin secretion and increased protein expression is associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

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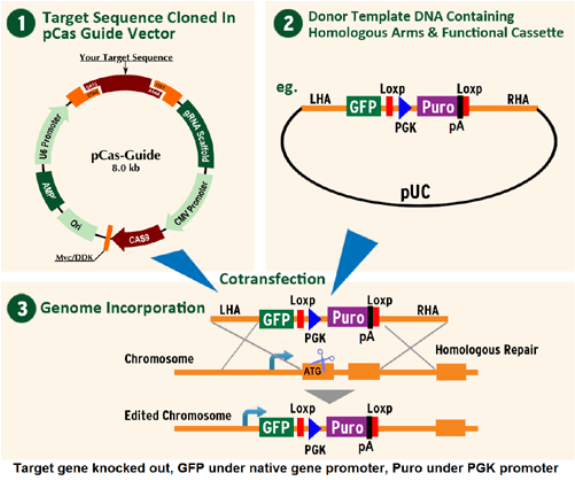

Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter

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