

Product datasheet for KN205201BN

GPRC5B 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 Symbol: GPRC5B Locus ID: 51704

Components: KN205201G1, GPRC5B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN205201G2, GPRC5B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN205201BND, 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: <u>NM 001304771</u>, <u>NM 016235</u>

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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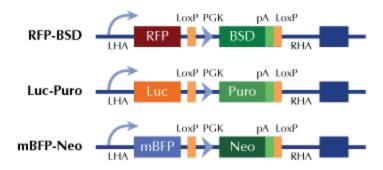
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Product images:

Donor Vector Edited Chromosome



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