

Product datasheet for KN209685BN

GPR21 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: GPR21 Locus ID: 2844

Components: KN209685G1, GPR21 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN209685G2, GPR21 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209685BND, 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 005294</u>

UniProt ID: Q99679

Synonyms: G protein-coupled receptor 21; OTTHUMP0000022075

Summary: This gene encodes a member of the G-protein-coupled receptor 1 family. G-protein coupled

receptors are membrane proteins which activate signaling cascades as a response to extracellular stress. The encoded protein activates a Gq signal transduction pathway which

mobilizes calcium. [provided by RefSeq, Nov 2012]



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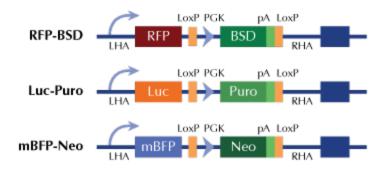
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Product images:

Donor Vector Edited Chromosome



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