

Product datasheet for **KN209685**

GPR21 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:	GPR21
Locus ID:	2844
Components:	<p>KN209685G1, GPR21 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTCTGATTACCATCCAAGG</p> <p>KN209685G2, GPR21 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTCTTGGCATTGGCTATT</p> <p>KN209685D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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 GCCAACAGCA CACAAAGGAT ATCAGCGAAA GGCAAGCC

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_005294](#)

UniProt ID:

[Q99679](#)

Synonyms:

G protein-coupled receptor 21; OTTHUMP00000022075

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]

Product images:

