

Product datasheet for KN209685LP

OriGene Technologies, Inc.

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GPR21 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

GPR21 Symbol: 2844 Locus ID:

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

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

KN209685LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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.

Q99679

RefSeq: NM 005294 **UniProt ID:**

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

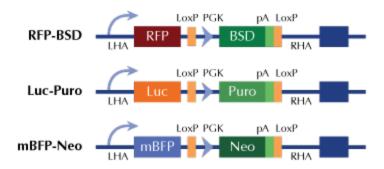
mobilizes calcium. [provided by RefSeq, Nov 2012]





Product images:

Donor Vector Edited Chromosome



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