

Product datasheet for KN215665LP

OriGene Technologies, Inc.

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GPR161 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

Symbol: GPR161 Locus ID: 23432

Components: KN215665G1, GPR161 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN215665G2, GPR161 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN215665LPD, 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.

RefSeq: NM 001267609, NM 001267610, NM 001267611, NM 001267612, NM 001267613,

NM 001267614, NM 007369, NM 153832, NM 001349632, NM 001349633, NM 001349634,

NM 001349635

UniProt ID: Q8N6U8

Synonyms: RE2

Summary: The protein encoded by this gene is an orphan G protein-coupled receptor whose ligand is

unknown. This gene is overexpressed in triple-negative breast cancer, and disruption of this gene slows the proliferation of basal breast cancer cells. Therefore, this gene is a potential

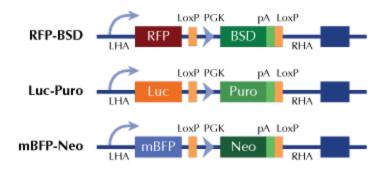
drug target for triple-negative breast cancer. [provided by RefSeq, Mar 2017]





Product images:

Donor Vector Edited Chromosome



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