

## Product datasheet for **KN211205**

### GPR 174 (GPR174) 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:	GPR 174
Locus ID:	84636
Components:	<p><b>KN211205G1</b>, GPR 174 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTAATTACACGTGTACCAG</p> <p><b>KN211205G2</b>, GPR 174 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TACTGTGCATTCTTGTGCC</p> <p><b>KN211205D</b>, 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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AAGCTGGGCC AGGAAATAAT TGACTTATTT TCTTTTGCTT GCAGCTCTGC CTTTGTTTCC TACTTTTTAG
CTTTTGACCT ATAGCTGAAA AAGTCCCAGA AAGCTGATCT TTCCAAGTTA ATCATCCCTG AAGAGTGGCG
GACTCATTGT GCACTAAAGC AATCCTTTCT TCTATGTGAG CCAAAAAAAG AAAAACGGCC TGCCAGACAC
CTGTAAAGAG AAGGCTATCG TCATATAGGA ATTTGAGGAA CTGCTATATG GTACATTCTT TTTCCAATG
GGAGAGAATA AGCTCTCATG ATGTCCCAGA GGGCCTTAAA ATAAACAAGA GGGGAAATTG TAACAGCTTG
TCATCTGTGC TTGTACTACTA GACTTCCATG TAGTACTCT AGAGAAATCT AAATCAAAAA TGCAGATCAT
TCTTTGAAAA ATCCCCAAT CACACGTAGA GACTCAGACA GATGTGGTAA AAAGAGGAAG GTTATTTTAT
ACTTCGTATC TCCAACCCAC TGGCAATCAA TCTTTTGGAA GGAACAGCAG TTGATTGTGA ATTTAGTTTT
GAACCACCAT TAGGCAAAGA TAGTTTCTCT AGAGAGAATC TCATAGGGAA TATATTAGCC CTGTGGGTAT
TCTATGGTTA TATGAAAGAA ACAAACGAG CTGTGATATT TATGATAAAC TTAGCCATTG CTGACTTACT
ACAAGTTCTT TCCTTGCCAC TGAGGATCTT CTACTIONT GATCATGACT GGCCATTTGG GCCTGGTCTC
TGCATGTTCT GTTTCTACCT GAAGTATGTC AACATGTATG CAAGCATCTA CTTCTTGGTC TGCATCAGTG
TGGACGATT TTGGTTTCTC ATGTACCCTT TTCGCTTCCA TGACTIONT CAGAAATATG ACCTGTACAT
CAGCATTGCT GGCTGGCTGA TCATCTGCCT TGCTGTGTA CTCTTCCAC TCCTCAGAAC CAGTGATGAT
ACCTCTGGCA ATAGACCAA ATGCTTTGTG GATCTTCTA CCAGGAATGT CAACCTGGCC CAGTCCGTTG
TTATGATGAC CATTGGCGAG TTGATTGGGT TTGTAATCC GCTTCTGATT GTCCTATATT GTACCTGGAA
GACGGTTTTA TCACTGCAAG ATAAATATCC CATGGCCCAA GATCTTGGAG AGAAACAGAA AGCCTTGAAG
ATGATTCTAA
```

**GE100003**, scramble sequence in pCas-Guide vector



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**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\\_032553](#)

**UniProt ID:** [Q9BXC1](#)

**Synonyms:** FKSG79; GPCR17; LYPSR3

**Summary:** This gene encodes a protein belonging to the G protein-coupled receptor superfamily. These proteins are characterized by the presence of seven alpha-helical transmembrane domains, and they activate or interact with various endogenous or exogenous ligands, including neurotransmitters, hormones, and odorant and taste substances. This family member is classified as an orphan receptor because the cognate ligand has not been identified. [provided by RefSeq, Sep 2011]

**Product images:**

