

Product datasheet for **KN209137RB**

GRK5 Human Gene Knockout Kit (CRISPR)

Product data:

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|---------------|---|
| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control |
| Donor DNA: | RFP-BSD |
| Symbol: | GRK5 |
| Locus ID: | 2869 |
| Components: | <p>KN209137G1, GRK5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAAAACATCGTGGCCAACA</p> <p>KN209137G2, GRK5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTCTTGCTGAAAGCCAGGGA</p> <p>KN209137RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> |

Homologous arm and RFP-BSD sequences:

pUC vector backbone in gray; Left arm sequence in blue; RFP-BSD in green; Right arm in violet

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GCCGCCTTTG AGTCGCCTGT CGGCCGGGCG GTGCCCGCCT TCGCTTTCGG TGCCGTCCCG GGGCGGGTCC
TCGCTCCGAC AGCCGCGCGC CAGCCCAGCT CAGCCCCGCG GCCGCGCGGC CGGGAGGACT CCAGCTCCCA
GCAGGCCCCG CGCCGCGAGC ACCGAGGCAG GAGGCGCGCC TGGGCCGGCG CTTGCGCAGT GCGGCCGCC
GAGCCTGCTA GTACCACACC CCCGGGAGGG ACTGAGGGGA GGCAGAAGCA TCCGAGGCAT TAAAGCATCC
GAGGGAGCCG GAGGGGAGGA GAATGGAGTG ACAGAGACAC GCGGAGGGTG GGGGGTGGG GGGAGCGTGT
TGAGGGAGGG GGGAGGGGGG ACACAGAGGG AGGAAGAAGC GCGGCGGCG GCGGCGGCG CGGCGGCTCC
TCTTTGAGA GGGGAAACT CTTGGGCTGA GAGCAGGAAT AATGCGGTAG GCAAGGCGGG CTGCTGGCTC
CCCCGGCTCC GGCAGCAGCG GCGGCAGCCC GAGCAGCGGC AGCAGCAGCG GCAGCACCCC AGGCGCTGAC
AGCCCCGCCG GCCGGCTCCG TTGCTGACCG CCGACTGTCA CCGGTACGTG CCCGGCGCGT CCGCCGCGGG
CCAGGGTGCG GGTGTCGGGT GGCCTGCGGG CTGGGGCTGC GCCCGTGCAG GATGCCCGT GCCGGCGAGT
GGGTCGCGAG CAGGACACTT CGGAGAGCGG CTCTGCAGC CCTTCAGGT TCCTGCCTTG GGGCTCAGAG
AATCTGGACT TGGGCTGAGA AGTTGCAGG GATTTGGATG CTAACATATC TCCTAGTTTC CAGCGCTCGC
CCTGCAGAGC GTGCCATCTC GGCAGCTGTT GAAAGGTCAG TTGAAAAGC ATTCATTCGG GGAGCGACGA
GCAACATGC ACATAAAATA GCGTTTCAAG TCGGCCCGGG ATGGTTCTGT GTGAACTGGT GTGTGTGTTT
GAGGGGCGGG GGTGGAATGA GCAGAAGCCA AGTCTTTGCC TGCGCAGGCT GAGTTGATAT AGACTATTGC
TGGAAACCAT CCGCTGGGAT GTTTCTTAGG GAAATCCCGT CGTGTGGAAG GAAGCCTTTT AAAGGCAAAG
TCAGATGTTG AGGAATTAGC CTTTTCATAG AATTATCAA GGATGGCTGT ACAGACCACC TAGAAAATAA
TTCAGTATTT

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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_005308](#)

UniProt ID: [P34947](#)

Synonyms: GPRK5

Summary: This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating their deactivation. It has also been shown to play a role in regulating the motility of polymorphonuclear leukocytes (PMNs). [provided by RefSeq, Jul 2008]

Product images:

