

Product datasheet for **KN224195RB**

LRP1B Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	LRP1B
Locus ID:	53353
Components:	<p>KN224195G1, LRP1B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGGGATTATTGCCGATTGCC</p> <p>KN224195G2, LRP1B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGTGGGAGCCGACCGAGGTA</p> <p>KN224195RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <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</p> <pre> AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC ACCGAGTTGC TCTTGCCCGG CGTCAATACG GGATAATACC GCGCCACATA GCAGAATTTT AAAAGTGCTC ATCATTGGAA AACGTTCTTC GGGGCGAAAA CTCTCAAGGA TCTTACCGT GTTGAGATCC AGTTCGATGT AACCCACTCG TGCACCCAAC TGATCTTCAG CATCTTTTAC TTTACCAGC GTTTCTGGGT GAGCAAAAAC AGGAAGGCAA AATGCCGCAA AAAAGGGAAT AAGGGCGACA CGGAAATGTT GAATACTCAT ACTCTTCCTT TTTCAATATT ATTGAAGCAT TTATCAGGT TATTGTCTCA TGAGCGGATA CATATTTGAA TGTATTTAGA AAAATAACA AATAGGGGTT CCGCGCAT TCCCCGAAA AGTGCCACCT GACGTCTAAG AAACCATTAT TATCATGACA TTAACCTATA AAAATAGGCG TATCACGAGG CCCTTTCGGG TCGCGGTTT CGGTGATGAC GGTAAAACC TCTGACACAT GCAGCTCCG TTGACGGTCA CAGCTTGCT GTAAGCGGAT GCCGGGAGCA GACAAGCCG TCAGGGCGC TCAGCGGGTG TTGGCGGGTG TCGGGGCTGG CTTAACTATG CGGCATCAGA GCAGATTGTA CTGAGAGTGC ACCATAAAT TGTAACGTT AATATTTTGT TAAAATTCG GTTAAATTTT TGTTAAATCA GCTCATTTTT TAACCAATAG GCCGAAATCG GCAAAATCCC TTATAATCA AAAGAATAGC CCGAGATAGG GTTGAGTGTT GTTCCAGTTT GGAACAAGAG TCCACTATTA AAGAACGTGG ACTCCAACGT CAAAGGGCGA AAAACCGTCT ATCAGGGCGA TGGCCCACTA CGTGAACCAT CACCAAATC AAGTTTTTTG GGTTCGAGT GCCGTAAAGC ACTAAATCGG AACCCATAAG GGAGCCCCG ATTTAGAGCT TGACGGGGAA AGCCGGCGAA CGTGCGGAGA AAGGAAGGGA AGAAAGCGAA AGGAGCGGGC GCTAGGGCGC TGGCAAGTGT AGCGGTACG CTGCGGTAA CCACCACACC CGCCGCGCTT AATGCGCCG TACAGGGCGC GACTATGGT TGCTTTGACG TATGCGGTGT GAAATACCGC ACAGATCGCT AAGGAGAAAA TACCGCATCA GGCGCCATC GCCATTCAGG CTGCGCAACT GTTGGGAAGG GCGATCGGTG CGGGCTCTT CGTATTACG CCAGCTGGCG AAAGGGGAT GTGCTGCAAG GCGATTAAGT TGGTAACGC CAGGGTTTTT CCAGTACGA CGTTGTAATA CGACGGCCAG TGAATTGGAG GCTACAGTCA GTGGAGAGGA CTTTCACAG CTGTCGCCG GCTCATTTGA </pre>



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TAACTGCCCG TTATTCATGC GACACGCTGG CTGTGAACTG CGGAGCATTG TAGGCGCCTG GCTGGCTCAG
 GCCAATGCAG AAGTCTCTCC CTTCTCCAAA GACCCAAATC CCCACAGAAC CAGCTTCGAG TTACTTTCCC
 TTCAAGGGGA TTAATAAAT TGTGATTTGT GCGCTCTCC GTTCGCGGTG GTATTTTCTT GTTGTGTTAA
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 CGGCATCCC TCCACCTCC ACATCTGCT CCAGGCAGGA GAAGGCTGAC TGGCTGGACT CATTGAGCTG
 AAGAATTTCC AGTGACATTT GTAATGACG CCGCTCGATT CCAGGCTCCA AGCGGCCCTT GCCGCCGCCG
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 CCCTGTGCGG GGGTGAGAGG TGCCTGCGG GATTTCTGAA CCAAGTGCCT GAGTCTCGG CACCCACACA
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 ACCTGTGCTG CCAGCTGCAT TAATGAATCG GCCAACGCGC GGGGAGAGGC GGTTCGCTA TTGGGCGCTC
 TTCCGCTTC TCGCTACTG ACTCGTGGC CTCGGTCTG CGGCTGCGG GAGCGTATC AGCTCACTCA
 AAGGCGGTAA TACGGTTATC CACAGAATCA GGGGATAACG CAGGAAAGAA CATGTGAGCA AAAGGCCAGC
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 TCACAAAAAT CGACGCTCAA GTCAGAGGTG GCGAAACCCG ACAGGACTAT AAAGATACCA GGCGTTTCCC
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 GAGTCCAACC CGGTAAGACA CGACTTATCG CCACTGGCAG CAGCCACTGG TAACAGGATT AGCAGAGCGA
 GGTATGTAGG CGGTGCTACA GAGTCTTGA AGTGGTGGCC TAACTACGGC TACACTAGAA GAACAGTATT
 TGGTATCTGC GCTCTGCTGA AGCCAGTTAC CTCGGAATA AGAGTTGGTA GCTCTTGATC CGGCAACAA
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 AGTATATATG AGTAAACTTG GTCTGACAGT TACCAATGCT TAATCAGTGA GGCACCTATC TCAGCGATCT
 GTCTATTTG TTCATCCATA GTTGCCTGAC TCCCGTCTG GTAGATAACT ACGATACGGG AGGGCTTACC
 ATCTGGCCCC AGTGTGCAA TGATACCGCG AGAACACGC TCACCGGCTC CAGATTTATC AGCAATAAAC
 CAGCCAGCCG GAAGGGCCGA GCGCAGAAGT GGTCTGCAA CTTTATCCGC CTCCATCCAG TCTATTAATT
 GTTGCCGGGA AGCTAGAGTA AGTAGTTCG CAGTTAATAG TTTGCGCAAC GTTGTGCCA TTGCTACAGG
 CATCGTGTG TCACGCTCGT CGTTTGTGAT GGCTTATTC AGCTCCGTT CCAACGATC

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_018557](#)

UniProt ID:

[Q9NZR2](#)

Synonyms: LRP-DIT; LRPDIT

Summary: This gene encodes a member of the low density lipoprotein (LDL) receptor family. These receptors play a wide variety of roles in normal cell function and development due to their interactions with multiple ligands. Disruption of this gene has been reported in several types of cancer. [provided by RefSeq, Jun 2016]

Product images:

