

## Product datasheet for **KN205884RB**

### IL32 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:	IL32
Locus ID:	9235
Components:	<p><b>KN205884G1</b>, IL32 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTTCCCGAAGGTGAGTGAG</p> <p><b>KN205884G2</b>, IL32 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTGCCCTCAGTATTCCCG</p> <p><b>KN205884RBD</b>, 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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGCAGT 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
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AAAATAACA AATAGGGGTT CCGCGCATAT TTCCCGGAAA AGTGCCACCT GACGTCTAAG AAACCATTAT
TATCATGACA TTAACCTATA AAAATAGGCG TATCACGAGG CCCTTTCGGG TCGCGGTTT CGGTGATGAC
GGTAAAACC TCTGACACAT GCAGCTCCCG TTGACGGTCA CAGCTTGCT GTAAGCGGAT GCCGGGAGCA
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GCAGATTGTA CTGAGAGTGC ACCATAAAAT TGTAACGTT AATATTTTGT TAAAATTCGC GTTAAATTTT
TGTTAAATCA GCTCATTTTT TAACCAATAG GCCGAAATCG GCAAAATCCC TTATAATCA AAAGAATAGC
CCGAGATAGG GTTGAGTGTT GTTCCAGTTT GGAACAAGAG TCCACTATTA AAGAACGTGG ACTCCAACGT
CAAAGGGCGA AAAACCGTCT ATCAGGGCGA TGGCCCACTA CGTGAACCAT CACCCAAATC AAGTTTTTTG
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AGCCGGCGAA CGTGCGGAGA AAGGAAGGGA AGAAAGCGAA AGGAGCGGGC GCTAGGGCGC TGGCAAGTGT
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GCCATTCAGG CTGCGCAACT GTTGGGAAGG GCGATCGGTG CGGGCCTCTT CGTATTACG CCAGCTGGCG
AAAGGGGAT GTGCTGCAAG GCGATTAAGT TGGGTAACGC CAGGGTTTTT CCAGTACGA CGTTGTAATA
CGACGGCCAG TGAATTGGAG GCTACAGTCA GTGGAGAGGA CTTTCACAGG CTGTCGCCGT GCTCATTTGA

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TAACTGCCCG TTATTCATGC GACACCCTCT GGAGCCGGGG CACACCTCAT GCAAGGACAG GGTCCAAATT  
 CCTTTGTCTT TGGATCCAC TTGGCTGACG TCACCTTCTT GTACTCAGGG AGTTTCCCA GCCAGCTGTC  
 CCGAGTCTGG ACTTTCCCTC TGCCCCTCCC CACTCTCAGG CTGGTGGGGT GGGGAAAGCA GCCCATTCTT  
 GGGCTCAGAG ACTCCCACCC CAGCTCAGAG GGAGCAGGGG CCCAGCCAGG GACGGACCCT CATTCTCTCC  
 AGGGACCCCA GACCTCTGTC TCTCTCGGT AAGTCTCCAT CTCTGTCTGT CTCTGTCTCT GTCTCTGTCT  
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 CCCATAAAA CCAGCTGAGT ATTTGTGCCA GGAAGACTGC GTGCAGAAGG TGACTGTCTC AGTGGAGCTG  
 GGTCACTCA GGTGGGGAGT TGGGGTCCCC GAAGGTGAGG ACCCTCTGGG GAGGAGGGTG CTTCTCTGAG  
 ACACTTTCTT TTCCTCACAC CTGTTCTCGC CCAGCAGGCC TTGGCTCCTT GAACTTTTGG CCGCCAGGGC  
 TCAGTCAGGG GCACCCAGCG GCAGGAGGAT AGTGATGGGG TGAGAGTGTC AGTGGAGGGC CTGGAGGTCA  
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 GATGGGACCA TCGCTGCCTG AAAGTGTGCA GACAGCTGCC CTGCCCAGAA TATGTCCCA GGCCCTGCGC  
 ACTCTGTGGG TGA CTGTCTAC CACTCTATAG TGGGGTCACT CTCGCCGTT GGA CTTTAGA TCAGAAGGGA  
 TCTTGCTGCC GCCCGAAAGA GGAAGGGCTG GAAGAGGAAG GAGCTTGGCG TAATCATGGT CATAGCTGTT  
 TCCTGTGTGA AATTGTTATC CGCTCACAA TCCACACAAC ATACGAGCCG GAAGCATAAA GTGTAAAGCC  
 TGGGGTGCCT AATGAGTGAG CTA ACTCACA TTAATTGCGT TGCCTACT GCCCCTTTC CAGTCGGGAA  
 ACCTGTCTG CCAGCTGCAT TAATGAATCG GCCAACGCGC GGGGAGAGGC GGTTCGCTA TTGGGCGCTC  
 TTCCGCTTC TCGCTACTG ACTCGCTGCG CTCGGTCTGT CGGCTGCGGC GAGCGTATC AGCTACTCA  
 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 CTTCGAAAA AGAGTTGGTA GCTCTTGATC CGGCAACAA  
 ACCACCGCTG GTAGCGGTGG TTTTTTTGTT TGCAAGCAGC AGATTACGCG CAGAAAAAA GGATCTCAAG  
 AAGATCCTTT GATCTTTTCT ACGGGGTCTG ACCTCAGTG GAACGAAAAC TCACGTAAAG GGATTTTGGT  
 CATGAGATTA TCAAAAAGGA TCTTACCTA GATCCTTTTA AATTAATAA GAAGTTTAA ATCAATCTAA  
 AGTATATATG AGTAAACTTG GTCTGACAGT TACCAATGCT TAATCAGTGA GGCACCTATC TCAGCGATCT  
 GTCTATTTTC TTCATCCATA GTTGCCTGAC TCCCGTCTG GTAGATAACT ACGATACGGG AGGGCTTACC  
 ATCTGGCCCC AGTGCTGCAA TGATACCGCG AGAACACGC TCACCGGCTC CAGATTTATC AGCAATAAAC  
 CAGCCAGCCC GAAGGGCCGA GCGCAGAAGT GGTCTGCAA CTTTATCCGC CTCCATCCAG TCTATTAATT  
 GTTGCCGGGA AGCTAGAGTA AGTAGTTCGC CAGTTAATAG TTTGCGCAAC GTTGTGCCA TTGCTACAGG  
 CATCGTGTG TCACGCTCGT CGTTTGTGAT GGCTTCATTC 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\\_001012631](#), [NM\\_001012632](#), [NM\\_001012633](#), [NM\\_001012634](#), [NM\\_001012635](#),  
[NM\\_001012636](#), [NM\\_001012718](#), [NM\\_001308078](#), [NM\\_004221](#), [NM\\_001369589](#),  
[NM\\_001369590](#), [NM\\_001369595](#), [NM\\_001369587](#), [NM\\_001369588](#), [NM\\_001369591](#),  
[NM\\_001369592](#), [NM\\_001369593](#), [NM\\_001369596](#)

UniProt ID: [P24001](#)

Synonyms: IL-32alpha; IL-32beta; IL-32delta; IL-32gamma; NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd

Summary: This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNFalpha from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

### Product images:

