

Product datasheet for **KN218842**

Eg5 (KIF11) 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:	Eg5
Locus ID:	3832
Components:	<p>KN218842G1, Eg5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTCTTCTTCGCAGACGAATT</p> <p>KN218842G2, Eg5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCAGGTGGTGGTGAGATGC</p> <p>KN218842D, 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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TGCTTACCAT ATATTCCAAT CTATTTACTT CCACAAGCTC ATTAATTCTC ACCCTAACCC TCTGAGATGG
TTACTATTAT TTCCTCTCTG CAGCTGAGGG AATTTTGGGC TAGGGACGTT ATGTAAGTTG AGCCACGCTA
CGCTAAAAGT TCCACACTCA ATTCTAGCGT CTCGGCTCTG GACTACCAAG TTCCGGAGCA AGCAGACAGA
CCACCTCTTT ACGTTCCCGT AGGCCACGCT CCGGGGGCGG GGCTCCAGTG AGGATACTGC ATCCCATGGT
GCCTTGCGCG CCAGCGCAGC CATTGGTCCG GCTACTCTGT CTCTTTTTCA AATTGAGGCG CCGAGTCGTT
GCTTAGTTTC TGGGGATTTC GCGGAGACG AGATTAGTGA TTTGGCGGCT CCGACTGGCG CGGGACAAAC
GCCACGGCCA GAGTACCGGG TAGAGAGCGG GGACGCCGAC CTGCGTGCGT CGGTCTCCCA GGCCACGCCA
GCGCCCGAGA GGGACCAGGG AGACTCCGGC CCCTGTCGGC CGCCAAGCCC CTCCGCCCTT CACAGCGCCC
AGGTCCGCGG CCGGGCCTTG ATTTTTTGGC GGGGACCGTC AGGTAGGGAG AGGGCTGACA GGATTCCGAG
CGCTGCGGCT TCGCTGCTGG GCCCCCTACT GCGCGGTCCA GGGAGAGGGA TTTTATTTGC ATTTCTGAG
GGTCCCAGTT TCTTGGTTCT CCGCGTTCTG TTCAATAAAA ATGACACCCG GTTGCTGTGT GTATGTGGTT
TTTAGGAGAA AATAACATGT TTGATTTGAT CACTGTTCCA TACTGAAAAG TGC GTTCTTA TGT TTTAACT
ATAGTCAATA AAGATGTAGG TGTCACTTTT ATATGCTACT TCATGTAGTT TGTCAGTTT GAA GTAAGAC
TGAATACCTA TTTTGCAGAT GGTAAAGCAC TTACGTTGGT ATTATTACCT CTA AAAAGCA ATCAATCACT
GTTCTCTTTA TTCTAGATGC AATATTTTCT GCATCCCTAC TAAACAAGTA AACATCTCTG TCTTTAAACA
TTAAAAATTA ATAAAGTGAG TTTATGTTTT TAAAAGATC AAGACAAGTT AAGCTAGTGT AAATTTCTGA
TTGTGCTGCA GTTTTCCCTT TCATCTGCGT GTTTGTTCAT AGACCAAAT AAACGGATAT TTCGAGATAA
AGGGATGTGG
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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_004523](#)

UniProt ID: [P52732](#)

Synonyms: EG5; HKSP; KNSL1; MCLMR; TRIP5

Summary: This gene encodes a motor protein that belongs to the kinesin-like protein family. Members of this protein family are known to be involved in various kinds of spindle dynamics. The function of this gene product includes chromosome positioning, centrosome separation and establishing a bipolar spindle during cell mitosis. [provided by RefSeq, Jul 2008]

Product images:

