

Product datasheet for **KN204894**

Fas Ligand (FASLG) 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:	Fas Ligand
Locus ID:	356
Components:	<p>KN204894G1, Fas Ligand gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATATCCCCAGATCTACTGGG</p> <p>KN204894G2, Fas Ligand gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGGGCACAGAGGTTGGACA</p> <p>KN204894D, 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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TTTATAGTTT AAAAAATACG GTTCTGAACA ATTTTTGTTA GAGTTATTTT GGGATTTTAA AATAGTTTTT
TGGTTGTGTA TATGGTAGAA TTCTTAAAT TATACAATTA TAATGTATAA AAAAGCATGC AATTATAATT
CATAAAATTA TAGCCCCACT GACCATTCTC CTGTAGCTGG GAGCAGTTCA CACTAACAGG GCTATACCCC
CATGCTGACC TGCTCTGCAG GATCCCAGGA AGGTGAGCAT AGCCTACTAA CCTGTTTGGG TAGCACAGCC
ACAGCAACTG AGGCCTTGAA GGCTGTTATC AGAAAATTGT GGGCGGAAAC TTCCAGGGGT TTGCTCTGAG
CTTCTTGAGG CTTCTCAGCT TCAGCTGCAA AGTGAGTGGG TGTTCCTTTG AGAAGCAGAA TCAGAGAGAG
AGAGATAGAG AAAGAGAAAG ACAGAGGTGT TTCCCTTAGC TATGGAAACT CTATAAGAGA GATCCAGCTT
GCCTCCTCTT GAGCAGTCAG CAACAGGGTC CCGTCCTTGA CACCTCAGCC TCTACAGGAC TGAGAAGAAG
TAAAACCGTT TGCTGGGGCT GGCCTGACTC ACCAGCTGCC GAGGCCACCA CCACCACCGC CACCGCCACC
ACTACCACCT CCGCCGCCGC CGCCACCACT GCCTCCACTA CCGCTGCCAC CCCTGAAGAA GAGAGGGAAC
CACAGCACAG GCCTGTGTCT CTTGTGATG TTTTTCATGG TTCTGGTTGC CTTGGTAGGA TTGGGCCTGG
GGATGTTTCA GCTCTTCCAC CTACAGAAGG AGCTGGCAGA ACTCCGAGAG GTAAGCCTGC CGGCAGACTG
CTGTGCCCTG GAGGCACCAG GCATAAGGGG ATGGAGGGCC CACTGCCTGG CTTGCAAAGT GCTTTTCAAT
CCTTTTTTTT TTTTCTTAG AAATGGGTTG TTCTAGTTAT TCTATTCTAT AGACAGAGAA ATGGAGGCTC
ATAGGGGTGA AGGGAATATT TTTTACTTTG TAAAGAATCA GAGCCCAACA GTTTGTCTTT CCTCAGTTGT
CAACTCAGTC TGTGAACCA CTTACTGCCT CATACCTATT GATTTAAGGA GTAAAAACA AACAAACAAA
ACTTTTAAGT TTTGCTTGGG AGTAAATTTG TTCAGATGAC CAAACTAAAT CTTGAAAATT GGTACGATTC
CAAATCACAA

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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_000639](#), [NM_001302746](#)

UniProt ID: [P48023](#)

Synonyms: ALPS1B; APT1LG1; APTL; CD95-L; CD95L; CD178; FASL; TNFSF6

Summary: This gene is a member of the tumor necrosis factor superfamily. The primary function of the encoded transmembrane protein is the induction of apoptosis triggered by binding to FAS. The FAS/FASLG signaling pathway is essential for immune system regulation, including activation-induced cell death (AICD) of T cells and cytotoxic T lymphocyte induced cell death. It has also been implicated in the progression of several cancers. Defects in this gene may be related to some cases of systemic lupus erythematosus (SLE). Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2014]

Product images:

