

Product datasheet for **KN308427**

Irf5 Mouse 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:	Irf5
Locus ID:	27056
Components:	<p>KN308427G1, Irf5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAATGAGAGAGTGTCTTCCC</p> <p>KN308427G2, Irf5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAAACTCAGCAGACTTACTT</p> <p>KN308427D, 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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ATTTAATTTA TCATCATCAG GCTGAGACAG AAAGAAAGCT GCAGTGTTC TTGGCTCCTT CTTGGTCTCC
GAAGCAGGGC AGTGAGTGCT CTGCTCTTCC TGTTCACTACT ACTCTTGACA TGACTCTCTC TCTCTCTCTC
TCTCTCTCTC TCTCTGTGTG TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG TACATCACCC
TCCATTCTAA GATCAGAGCT GCTTAGGAGC TATAATGGGA GACAGAGAGG ATGATGTTGA GGATGGGGTG
GGGGTGGGTC AGCCGAGTGA GTCAGATCTC TGAGTTGTCC CATCGGGCTA CTTTCATTTT CCTTAGGTCA
GGGTGGAGGC TGGCGCAGAA AGAGGAACTA AGCCACCTCT TCTTAAGCTT GGGGGCAGGG CTGGGAGCCT
TTCCACGCTC TCTGTCCAAA GCTGGCAGTG CTATTCCTGG GTCTCTGGCC GCTGAGGTAT GCACTGCTCT
GAAGTGCTCT GAAGTCTGTA GAGGGTCGCT CCGCTAGCCT GGATGTGGCA TGTAGTAGCC ACAACCCAGA
AGACACTAGG TGGGGGAATT GCAGGGGAAA CTGGGGCTCC CGCAGCCTTC CTCTTCTCTG TTTCTGAACC
CCGCCCCACC CCCACCCCAA GTTCAAGAGT TCAAGATCAA GAATATGGTC AAGGGCAGGA AAGAGCTTCC
CAGGAGGGAA GATGGGTGAG AGGGAGGGAG CTCTAAGTTA CAGGTTCTGT CAGGAGGAGA GGGAGCAGGT
AGAGGGAAGA GCACCAGGT TTCATGGGTC CTGTGCACAT AACTCTAGTG AGATAGAGAC TGTGGCCTGC
CAAAGTGCTT ACCTCCAATG GAAAGCTGTT GTGGCAATAT TTAATCTCAA TGGGGGGGGG GTGGACTACC
TTGCCTTTGA TCATTAGTT CCCAGATAAA AGGCACTCAG CTTTTATATT TATAACGATC CTTTAGTGTA
CCAGAGCCGG GCACATATCA CCCTTCATGC TCTAATGTCT TCTTCCCAT CAAGAACCC TCCATGTTCC
AACTAGCTG CTCTTAATTC CAATCGGCCA GCCCTCGTGG CCATGCTTTC ATGAGGCGTT TTCTCCTCCC
TCTACCTTGT TGTCTCCCT CAGACCAAGG AACTCTGCCT ATCTCTCTTC TGCCAGCTT CAGGCTGTTG
GCATCTTTAT

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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_001252382](#), [NM_001311083](#), [NM_012057](#)

UniProt ID: [P56477](#)

Synonyms: AW491843; mirf5

Summary: Transcription factor involved in the induction of interferons IFNA and INFB and inflammatory cytokines upon virus infection. Activated by TLR7 or TLR8 signaling (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:

