

## Product datasheet for **KN308417**

### Irak3 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:	Irak3
Locus ID:	73914
Components:	<p><b>KN308417G1</b>, Irak3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGGTCGAAGAGCAGCAACTG</p> <p><b>KN308417G2</b>, Irak3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCAAAGCTCTCCCAGCAGTG</p> <p><b>KN308417D</b>, 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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CGACGGCAGG GTTGCCTTC TGCAGCAAGG ATGAGCAGTT TGTTTGCCCA GTTTGGCCT GTTTGTTGTG
GTTTTCTTTT TATGTCCATT TCGCCCGGCG TGTACACGTT TCCTTCCGTT TAAAGTTATT TGGCAAAAAC
GTGTTTCTCG GTGAGCACGC ATTTCTTTCC TGACGGGACA AAGAGAAACT TAAAAGATG TAACACAAAAC
CTCTTAGATC CATCGTGGCC AGGAGGCCGC CCGTCCCAGA GCAGCAGAGG GGTGGCGGCT TTCCCGGATT
CCAGCCGCTG TTCCCGCCC TCATTTTCTT GGCTGGTCTC CTGGGTCATG TCCAAGACG GGGACGGACA
GAACGGTTCA TAACAAAGAT GACCTGGGGT GCGGCGGCA GGGTCGCGGG ACAGCGGCTA GGAGCAAGGG
CAGCCCAGGT CTCGAGGGC GCATCCCTGG GGAGCGGCTC CCTACGTCAC GTGGGGCCCG CCCTGCGACG
GCGTGTTGCA AGCTCCGGG AGCCGTCGTG GAGCTGAATT TCCGCGGTTG TGAAAGGCGG TGACAGCGGC
GACCTCCCTG CTTCTCTGCG TGGGGTCCCG GGACTCCGCG TCGATGGCC CGCTCGGCTG GCGGGGCTG
GGTGAGTGCG ACTCAGACCT GCCGGTCTC CCCC GCGAGG GACTCAGCAA ACCCGGGGAC CTGCCACTCA
CTCTCCTTCC CTCTCTGACA GTGGGGTACT GCTGTATCAA GTTAGGGGAT TGGGTATGTC AGATGTCAAG
AAAGCATCCC GTGCTGGGAA GAGATTCTCG CTTCACTCGG TTTGCAAGT GCGCAGCAGT ATGCAAATAT
TACCGTATGC AGGCATGGC TACTGGCTCT ACAACCCCTA CATCAGATTT TTTTAATATT ATAACTTCTT
TTTTGAGATG CCGCTCAGTT GCTAGAGTGC TTACCTATAG ATGTATGAAG CTGCATGTT GATTCCCTAG
CTTGGAATAA AACAGACAGT GGTAGTGCCA GTCATTGAGA GGTAGAAGTA GGCAGGACAG ATGCTCAAGA
GCATCCTCTC CTTGTAGAGA GTTCTAGCT GGCTTGGGAA ACATGAGACG CCATCTCAA AAAAAAAGC
AAACTTACTT TCTTTTCTT CTTTCTTTC TTTCTTCTT TCTTCTTTC TTTCTTCTT CCTTCTTCC
TTCCTTCTT
```

**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\\_028679](#), [NR\\_152856](#), [NM\\_001359184](#)

**UniProt ID:** [Q8K4B2](#)

**Synonyms:** 4833428C18Rik; AI563835; IRAK-M

**Summary:** Inhibits dissociation of IRAK1 and IRAK4 from the Toll-like receptor signaling complex by either inhibiting the phosphorylation of IRAK1 and IRAK4 or stabilizing the receptor complex. [UniProtKB/Swiss-Prot Function]

### Product images:

