

Product datasheet for **MC219214**

Irak2 (NM_001113553) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irak2 (NM_001113553) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irak2
Synonyms:	6330415L08Rik; AI649099; IRAK-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219214 representing NM_001113553
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTGCTACATCTACCAGCTGCCGTCTGGGTGCTGGACGACCTGTGCCGAATATCGACACGCTCA
 GTGAGTGGGACTGGATGCAGTTCGTTCCCTACGTGATCACAGACCTGACACAGCTGAGGAAGATCAAGTC
 CATGGAGAGGGTCCAGGGGGTGAGCATCACCCGGAGCTACTGTGGTGGTGGTCCATGCGGCAGGCCACG
 GTCCAGCAGCTGGTGGACCTCCTGTGTACCTGGAACCTACCGAGCTGCCAGATTGTCTTGAGCTGGC
 CCATCATGGCTGGGGCCAGCGGACGCTCCGTGCGAGATGGATGCCCTTGTTCCCTGAAAAGTATGATGC
 ACCCGACTCTCCCAGTCTAAGTATTGCAGTACTCCACATCTGCCCCAAGCAAGAAAGGCTTTTGGGT
 TTGCCCGAGACAGGCTTTTCTGGAGTGAAGCAGATGTCGTCCAAGCAACTGAGGACTTTGACAAAGCC
 ACCGAATCAGCGAGGGCACCTTTGCCGATATCTACCAGGGTCAAAGGAACGGTGTGGCTTCGCCTTCAA
 GAAGCTCAGGGAGGTGGCCGGCTCCAGTCCAGGGTCCATGGACAGATTCTACAGGCAGAGATGCAGCTC
 TGCTCAGATGCTGCCACGCGAAGCTCCTACCTCTGCTGGGTTTCTGCACTGGAAGACAGTTCCACAGCC
 TCATCTACCCCTACATGGCAAATGGCTCTCTGCACGACAGACTCTGGGCTCAGGGCAACTCAGACATGCT
 GCCCTGGCCACAGCGGGCCAGCATCTGCTCAGGGCTGCTTCTAGCCGTGGAGCACCTGCATAGCCTGGAC
 ATCATCCACAGCAATGTTAAGAGTGCCAACGTCTTGTGGACCAGCATCTTAACCCCAAGCTGGCTCATC
 CTGTGGCTCACCTCATCCCACAATAAAAAGACCAATAATACCGTCATGAGGACTCACCTGTTCCAGGC
 CTCAGCTGCATATCTGCCGAACACTTCATCAGAGTGGGGCAGCTGACCAAGCAGGTGGACATCTTCAGC
 TGTGGAATTGTATTGGCCGAGGTCTTACCGGCATCCCTGCGATGGACAAGGACCGCAGTCCAGTTTACC
 TGAAGGATTTGCTTCTCAGTGAGATTCCAACAGTACTTCTTCAGTCTGCTCCAGGAAGACCAGCATGGG
 GAAGGCAGTGGTGAAGAGATCTGCCAGAGACATGTGGAGAAGAGGGCAGGGCTGCTGCCTGAGGCCTGT
 GAGGAAGCCTGGGCCACCGCTGTGAGTGTCTGCCTGCGGAGGCGCAATGCCAGCGTGGAGGAGGCACGAG
 TCTCCCTGGCCGGGGTGGAGGAGCAACTCCGAGGGCAGCTGTCCCTTCCCTGGAGCAGGGTTTCTGAGGC
 CACAGGCTCATCTCCAATACCCCGAGGAAACAGATGACGTTGACAATTCAGCCTCAGCGTCCCTTCT
 TTGTTATGATGGCATCGTCCAGGGGCTGCCTCCTCTCCACTTTCACGGGACATGGAGCAGCACAGC
 CATCCACCAGTGGGAGACAGGAGGCTGACTCCTCGTCAGAGGCTTGACAGGCCACAGACACCCAGAA
 CGCTACAGAGACTTCATGAAAAATTGAGATCAATGAAGCCAAAAGGAGACTGATGGAGAACATCGTACTC
 TACAAAGAAGAGAGACTGGACAGCAGCGAGCTCTTTGGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001113553
- Insert Size:** 1725 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001113553.1</u> , <u>NP_001107025.1</u>
RefSeq Size:	3065 bp
RefSeq ORF:	1725 bp
Locus ID:	108960
UniProt ID:	<u>Q8CFA1</u>
Cytogenetics:	6 52.82 cM
Gene Summary:	<p>Binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is smaller compared to isoform a.</p>