

## Product datasheet for **MC219850**

### **Irak2 (NM\_172161) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Irak2 (NM_172161) 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:** >MC219850 representing NM\_172161  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTTGCTACATCTACCAGCTGCCGTCTGGGTGCTGGACGACCTGTGCCGAATATCGACACGCTCA  
 GTGAGTGGGACTGGATGCAGTTCGTTCCCTACGTGATCACAGACCTGACACAGCTGAGGAAGATCAAGTC  
 CATGGAGAGGGTCCAGGGGTGAGCATACCCGGGAGCTACTGTGGTGGTGGTCCATGCGCAGGCCACG  
 GTCCAGCAGCTGGTGGACCTCCTGTGTACCTGGAACCTACCGAGCTGCCAGATTGTCTTGAGCTGGA  
 AGCCGGTTCCTGAGAGCACATCTCCCTCCAGCCTCCAGAGGCTGTGAAGCCAGGGGCTGTGGCTAC  
 TTCTAGAAGAAACCTCAAGGATGAACAGGAGAAAGTCCGGCTGTGAAGCCACGTTCCCTCTAGACACA  
 GGGCCCATCATGGCTGGGCCCAGCGGCAGCGTCCGTGCGAGATGGATGCCCTTGTTCCTGAAAAGT  
 ATGACCCGACTCTCCAGTCTAAGTATTGCAGTACTCCACATCTGCCCAAGCAAGAAAGGCTTTT  
 GGGTTTGGCCGAGACAGGCTTTTCTGGAGTGAAGCAGATGTCGTCGAAGCAACTGAGGACTTTGACCAA  
 AGCCACCGAATACGCGAGGGCACCTTTGCCGATATCTACCAGGGTCAAAGGAACGGTGTGGCCTTCGCT  
 TCAAGAAGCTCAGGGAGGTGGCCGGCTCCAGTCCAGGGTCCATGGACAGATTCTACAGGCAGAGATGCA  
 GCTCTGCCTCAGATGCTGCCACGCGAACGTCTACCTCTGCTGGGTTTCTGCACTGGAAGACAGTCCAC  
 AGCCTCATCTACCCCTACATGGCAAATGGCTCTCTGCACGACAGACTCTGGGCTCAGGGCAAACAGACA  
 TGCTGCCCTGGCCACAGCGGGCCAGCATCTGCTCAGGGCTGCTTAGCCGTGGAGCACCTGCATAGCCT  
 GGACATCATCCACAGCAATGTTAAGAGTGCCAACGTCTTGTGGACCAGCATCTTAACCCCAAGCTGGCT  
 CATCCTGTGGCTCACCTCATCCCGACAATAAAAAGACCAAATAACCGTCATGAGGACTCACCTGTTCC  
 AGCCCTCAGTGCATATCTGCCGAACTTCATCAGAGTGGGGCAGCTGACCAAGCAGGTGGACATCTT  
 CAGCTGTGGAATTGTATTGGCCGAGTCCCTACCGGCATCCCTGCGATGGACAAGGACCGCAGTCCAGTT  
 TACCTGAAGGATTTGCTTCTCAGTGAGATTCCCAACAGTACTTCTCAGTCTGCTCCAGGAAGACCAGCA  
 TGGGAAGGCAGTGGTGAAGAGATCTGCCAGAGACATGTGGAGAAGAGGGCAGGGCTGCTGCCTGAGGC  
 CTGTGAGGAAGCCTGGGCCACCGCTGTGAGTGTCTGCCTGCGGAGGCGCAATGCCAGCGTGGAGGAGGCA  
 CGAGTCTCCCTGGCCGGGTGGAGGAGCAACTCCGAGGGCAGCTGTCCCTCCCTGGAGCAGGGTTTCTG  
 AGGCCACAGGCTCATCTCCAATACCCCGAGGAAACAGATGACGTTGACAATCCAGCCTCAGCGTCCC  
 TTCTTTGGTTATGATGGCATCGTCCCAGGGGCTGCCTCCTCCTCACTCTTACGGGACATGGAGCAGCA  
 CAGCCATCCACAGTGGGAGACAGGAGGCTGACTCCTCGTCAGAGGCTTGACAGGCCACAGACACCCC  
 AGAACGCTACAGAGACTTCAATGGAAAATTGAGATCAATGAAGCCAAAAGGAGACTGATGGAGAACATCGT  
 ACTCTACAAAGAAGAGAGACTGGACAGCAGCGAGCTTTTGGACCT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_172161

**Insert Size:** 1869 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:**

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:** [NM\\_172161.4](#), [NP\\_751893.3](#)

**RefSeq Size:** 3209 bp

**RefSeq ORF:** 1869 bp

**Locus ID:** 108960

**UniProt ID:** [Q8CFA1](#)

**Cytogenetics:** 6 52.82 cM

**Gene Summary:** 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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).