

Product datasheet for **RN204289**

Irak2 (NM_001025422) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irak2 (NM_001025422) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Irak2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204289 representing NM_001025422
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTGCTACATCTACCAGCTGCCGTCTGGTACTGGACACCTGTGCCGAATATCGACACGCTCA
 GTGAGTGGGACTGGATGCAGTTCGTTCCCTATGTGATCACAGACCTGACACAGCTGAGGAAGATCAAGTC
 CATGGAGAGGGTTCAGGGGGTGAGCATACCCGGGAGCTGCTGTGGTGGTGGTCCATGCGCAGGCCACT
 GTCCAGCAGCTGGTGGACCTCCTGTGTACCTGGAACCTACCGAGCTGCCAGATTGTCTGAGCTGGA
 AGCCGGCTCCTGACAGCTGTCTCCCTCTCGGCCTCCAGAGGCTGTGAAGCCAGGTCTGTGGCTAC
 TTCTGGAAGAACCTCAAGGATGACCAGAAGAAGGGCCAGCCTGTGAAACCATGCTCCTTTCTGAGCTCA
 GGGACCACCATGGCTGGCGCCAGCAGCAGGCCTCATGCCAACGTCATGCGAGGAGGATGCCCTTGTT
 CCCTGAAAAGTGTACCTGACTCTCTCCAATCTAAGTATTGTAGCACGTCCATCCCAAGCAGGAAAA
 GCTTTTGAATTTGCCCGGAGACAGGCTTTTCTGGAGTGAAGCAGATATCGTTCAAGCAACTGAGGACTTT
 GACCAAAGCCACCGAATCAGTGAGGGGACCTTTGCCGATATCTACCGGGGACAAAGGAATGGCGTGGCCT
 TTGCCTTCAAGAGGCTCAGGGAGGTGACTGGCTCAAGTCCAGGGTCCATGGACAGATTCTCGAGGCGGA
 GATGCAGCTCTGCCTCAGATGCTGCCACCCCAACATCCTACCTCTGCTGGGCTTCTGCACTGGAAGACAG
 TTCCACAGCCTCATCTACCCCTACATGGCCAATGGCTCTCTGCAGGACAGACTCTGGGCTCAGGGCGACT
 CAGACATGTTGTCTGGCCACAGCGTGCCAGCATCTGCTCAGGGCTTCTTCTAGCTGTGGAACACCTGCA
 TAGCCTGGATATCATCCACAGTAATGTGAAGAGTGCCAACGTTTTGCTGGACCAGCATCTTAACCCCAAG
 CTAGCCCATCCAGTAGCTCACCCGTGTCCACCAATAAAAAGACCAAAATACTGTAATGAAGACTCACC
 TGTTCCAGGCCTCAGCTGCGTATCTGCCTGAAAACCTTCCAGTGGGACAGCTCACCAAGCAAGTGA
 CATCTTCAGCTGTGGAATTGTATTGGCCGAGTTCTCACCGGCATCCCTGCAATGGACAAGGACCCGAGT
 CCAGTTTACCTGAAGATTTGCTTCTCAGTGAGATTCCAGCAATACTTCTCAGTCCACTCCAGGAAGA
 CCAGCATGGGGAAGGTGGTGGTGAAGAGATCTGCCAGAAGCACTTGGAGAGGAAGGCAGGGCTACTGCC
 TGAGGCCCTGCGCGAAACCTGGGCCACCGCTGTGAGCGTCTGCCTGCGGAGACGGGAGGCCAGCCTGGAG
 GAGGCACGAGTCTCCATGGCTGGGTAGAGGAGCAGCTCAGAGGGCAGCTGTCCCTCCCTGGAGCAGGG
 TTTCTGAGGATACGGCTCATCTTCTAATACCCAGAGGAAACGGATGACGTTGACAATCCAGCCTCAG
 TGTCCCTCTTCTGTTATGGTGGTGTATGTGCAAGGTTTTCTCCCTCCACCATCCATGGGAAATGGG
 ACAGCACAGCCATCTACCAGTGGGAGGCAGGAGGCTGACTCCTCCTCCGAGGCTTGTGCAGGCCACAGC
 CACCTCAGGAAGCTACAGAGACTTCATGGAAAATTGAGATCAATGAGGCCAAAAGGAGACTGATGGAGAA
 CATCTACTGTATAAAGAAGAGAAAAGTGGACAGCGTTGAGCTTTTGGACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001025422
- Insert Size:** 1875 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_001025422.1](#), [NP_001020593.1](#)

RefSeq Size: 2977 bp

RefSeq ORF: 1875 bp

Locus ID: 362418

UniProt ID: [Q4QQS0](#)

Cytogenetics: 4q42

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]