

Product datasheet for **RN212987**

Irak1 (NM_001127555) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irak1 (NM_001127555) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Irak1
Synonyms:	RGD1563841
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212987 representing NM_001127555
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGGGCCCGGGCCCGGGGAGCCTGTGGTCCCGGCCCCAGCATTTCTTGTACGAGGTGCCTC
 CCTGGGTTATGTGCCGTTTCTACAAAGTGATGGACGCCCTGGAGCCCGCGACTGGTGCCAGTTCGCGGC
 CTTGATCGTGCGCGACCAGACAGAGCTGCGGCTGTGTGAGCGCTCCGAGCAGCGCACGGCCAGTGTCTG
 TGGCCCTGGATCAACCGCAACGCGCGTGTGGTGACCTCGTTCACATCCTCACGCACCTGCAGTGTCTGC
 GTGCGCGGGACATCATTACAGCCTGGCACCCCTCTGCCTCTGTTCTGCCCAAGCACCGGTGCCCAAG
 GCCCAGCAGCATCTGCAAGGCTCTGAGACTGAGGACTGGAGCCCCGGAAATTGCAGTCTCTGCCTCC
 ACCTTCTCTCCCGAGCTTTCCAGGCTCCAGACCCATTCTGAGTCAGAGCTCTCCAGGTTCCACTCT
 CTGATTCCTCGGGCCACCCTACAATCTTCAGCCCCCTCTCCATCAAGCCAAGCCAGAGAGCCAGT
 GTCTGGCCTCAAAGAGCTCGTCCCTCCCATTTTGTGGCCCTTCTGTGAGATTTCCAAGGCACCTTGC
 AACTTCTCTGAAGAACTCAGGATTGGAGAGGGTGGTTTTGGGTGTGTGTACCGAGCAGTAATGAGAAATA
 CTACATATGCTGTGAAGAGACTGAAGGAGGAGGCTGACCTAGAGTGGACTGTGGTGAACAGAGTTCCT
 AACAGAGGTGGAACAGCTATCAAGGTTTCGTACCCAAATATCGTGGACTTTGCTGGCTACTGTGCAGAG
 AGTGGCTTCTACTGCCTTGTATGGCTTCTGCCCAATGGCTCCTTAGAGGATCAGTTCACCTTCAGA
 CCCAAGCTGCTCCCACTTTCTGGCCTCAACGACTGGACATTTCTTGGGCACAGCCCGGGCTATTCA
 GTTTTACATCAGGACAGCCCCAGCCTTATCCATGGAGACATCAAGAGTTCTAATGTGCTTCTGGATGAG
 AGACTGATGCCAAGCTGGGAGACTTTGGTCTGGCTCGTTTCAGCCGCTTTCAGGGGCCAACCCAAGCC
 AGAGCAGTACTGTGGCCCGGACTTGACACAGTTCGAGGTACCCTCGCTACCTGCCTGAGGATACATCAA
 GACAGGCCGGCTGGCTGTGGACACCGATACCTTCAGCTTTGGGGTGGTAATACTGGAGACCCTTGCTGGT
 CAGAGGGCTGTGAGGACACAAGGTGCAAAAACCAATATCTGAAAGACCTGATTGAAGATGAGGCTGAAG
 AGGTGGGAGTGACCTTAAAAAGCACCCAGCCTACTTTGTGGATGGGTGTAGCCACGGATGCTTGGACTGC
 TCCAATTGCTGCCAGATCTATAAGAAGCACCTGGACTCCAGACCTGGGCCCTGCCACCCAGTTGGGC
 CTGGCCCTGGCTCAACTAGCTTGTGCTGCATGCACCGTCCGGCCAAAGAGGGCCACCCATGACCCAGG
 TATAAAGAGACTAGAAGGGCTTCAGGCAGTACCTCCCTGGAAGCTAGAGGTTGCCGGCCATGGCTCTCC
 TTCCCCACAGGAGAACTCTACATGTCCACCCTGGCAGTCCCAGAGTGGGGATGAACCATGGCAGCCT
 CTGGTAGTGACCACAAGAGCTCCAGCCAGGCTGCCAGCAACTCCAGAGAAGTCCAACAGCCAGTGG
 AGAGTGATGAGAGTGTTCTGGCCTCTCTGCTACCCTGCATTCTGGCACTTGACTCCAGATTCCCACCC
 AAGCCCTGTGTCCTTCAGAGAGGCTAGCTGTACACAAGGAGGCACTACCAGAGAATCAAGTTTGAGGAGT
 GGCCAGGCTTCCAGCCTACGACCATGGAAGGCTCATCGATGGGCAGTTCATCCCTGCTGTGCATCAGAGC
 CACCACAGATCATCATCAACCCAGCCCGACAGAAGATGGTACAAAAGCTGGCCCTGTATGAAGAGGGGGT
 CTTGGATAGCCTGCAACTGCTGTGCATCAGGCTTTTCCAGGCTTGGATTTAGAACCTGAAAAGAGAAAAG
 AGACCTGAAGAAAGTGATGAATTCAGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001127555
Insert Size: 2133 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001127555.1](#), [NP_001121027.1](#)

RefSeq Size: 2749 bp

RefSeq ORF: 2133 bp

Locus ID: 363520

Cytogenetics: Xq37