

Product datasheet for **SC119139**

IRAK (IRAK1) (NM_001569) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRAK (IRAK1) (NM_001569) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRAK
Synonyms:	IRAK; pelle
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_001569 edited
 ATGGCCGGGGGGCCGGGCCCCGGGGAGCCCCGACGCCCCCGCGCCAGCACTTCTGTAC
 GAGGTGCCGCCCTGGGTATGTGCCGTTCTACAAAGTATGGACGCCCTGGAGCCCCGC
 GACTGGTGCCAGTTCCGCCGCCCTGATCGTGCGGACCAGACCGAGCTGCGGCTGTGCGAG
 CGCTCCGGGCAGCGCACGCCAGCGTCTGTGGCCCTGGATCAACCGCAACGCCCGTGTG
 GCCGACCTCGTGACATCCTCACGCACCTGCAGTGTCCGTGCGCGGGACATCACA
 GCCTGGCACCCCTCCCGCCCCGTTCCGTCCCCAGGCACCACTGCCCGAGGCCAGCAGC
 ATCCCTGCACCCGCCGAGGCCGAGGCTGGAGCCCCGGAAGTTGCCATCCTCAGCCTCC
 ACCTTCCTCTCCCCAGCTTTTCCAGGCTCCCAGACCCATTTCAGGGCTGAGCTCGGCCTG
 GTTCCAAGCCCTGCTTCCTGTGGCCTCCACCGCCATCTCCAGCCCTTCTTCTACCAAG
 CCAGGCCAGAGAGCTCAGTGTCCCTCCTGCAGGGAGCCCCGCCCTCCTCGTTTTGCTGG
 CCCCTCTGTGAGATTTCCCGGGGCACCCACAATTCTCGGAGGAGCTCAAGATCGGGGAG
 GGTGGCTTTGGTGCGTGTACCGGGCGGTGATGAGGAACACGGTGTATGCTGTGAAGAGG
 CTGAAGGAGAACGCTGACCTGGAGTGGACTGCAGTGAAGCAGAGCTTCTGACCGAGGTG
 GAGCAGCTGTCCAGGTTTCGTACCCAAACATTGTGGACTTTGCTGGCTACTGTGCTCAG
 AACGGCTTCTACTGCCTGGTGTACGGCTTCTGCCCCAACGGCTCCCTGGAGGACCTCTC
 CACTGCCAGACCCAGGCCTGCCACCTCTCCTGGCCTCAGCGACTGGACATCCTTCTG
 GGTACAGCCCGGCAATTTCAGTTTCTACATCAGGACAGCCCCAGCCTCATCCATGGAGAC
 ATCAAGAGTTCCAACGTCCTTCTGGATGAGAGGCTGACACCCAAGCTGGGAGACTTTGGC
 CTGGCCCCGTTACAGCCGCTTTGCCGGTCCAGCCCCAGCCAGAGCAGCATGGTGGCCCCG
 ACACAGACAGTGGGGCACCCCTGGCCTACCTGCCGAGGAGTACATCAAGACGGGAAGG
 CTGGCTGTGGACACGGACACCTTCAGCTTTGGGGTGGTAGTGTAGAGACCTGGCTGGT
 CAGAGGGCTGTGAAGACGCACGGTCCAGGACCAAGTATCTGAAAGACCTGGTGAAGAG
 GAGGCTGAGGAGCTGGAGTGGCTTTGAGAAGCACCCAGAGCACACTGCAAGCAGGTCTG
 GCTGCAGATGCCTGGGCTGCTCCCATCGCCATGCAGATCTACAAGAAGCCTGGACCCC
 AGGCCCGGGCCCTGCCACCTGAGCTGGGCTGGGCTGGCCAGCTGGCCTGCTGCTGC
 CTGCACCCCGGGCCAAAAGGAGGCCTCTATGACCCAGGTGTACGAGAGGCTAGAGAAG
 CTGCAGGCAGTGGTGGCGGGGTGCCCGGCATTTCGGAGGCCGCCAGCTGCATCCCCCT
 TCCCCGCAGGAGAACTCCTACGTGTCCAGCACTGGCAGAGCCACAGTGGGGCTGCTCCA
 TGGCAGCCCTGGCAGGCCATCAGGAGCCAGTCCCAGGCAGCAGAGCAGCTGCAGAGA
 GGCCCCAACAGCCCGTGGAGAGTGACGAGAGCCTAGGCGGCCTCTCTGCTGCCCTGCGC
 TCCTGGCACTTGACTCCAAGCTGCCCTCTGGACCCAGCACCCCTCAGGGAGGCCGCTGT
 CCTCAGGGGGACACGGCAGGAGAATCGAGCTGGGGGAGTGGCCAGGATCCCGGCCACA
 GCCGTGGAAGGACTGGCCCTTGGCAGCTCTGCATCATCGTCGTCAGAGCCACCGCAGATT
 ATCATCAACCCTGCCCGACAGAAGATGGTCCAAAAGCTGGCCCTGTACGAGGATGGGGCC
 CTGGACAGCCTGCAGTGTCTGTCGTCAGCTCCCTCCAGGCTTGGGCCTGGAACAGGAC
 AGGCAGGGGCCGAAGAAAGTATGAATTCAGAGCTGA

Restriction Sites: Please inquire

ACCN: NM_001569

Insert Size: 3600 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001569.3.

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_001569.3</u> , <u>NP_001560.2</u>
RefSeq Size:	3589 bp
RefSeq ORF:	2139 bp
Locus ID:	3654
UniProt ID:	<u>P51617</u>
Cytogenetics:	Xq28
Domains:	DEATH, pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase, Transcription Factors
Protein Pathways:	Apoptosis, Neurotrophin signaling pathway, Toll-like receptor signaling pathway
Gene Summary:	<p>This gene encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>