

Product datasheet for **SC310211**

IRAK2 (NM_001570) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRAK2 (NM_001570) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRAK2
Synonyms:	IRAK-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC310211 sequence for NM_001570 edited (data generated by NextGen Sequencing)

```

ATGGCCTGCTACATCTACCAGCTGCCCTCCTGGGTGCTGGACGACCTGTGCCGCAACATGGACGCGCTCA
GCGAGTGGGACTGGATGGAGTTCGCCTCCTACGTGATCACAGACCTGACCCAGCTGCGGAAGATCAAGTC
CATGGAGCGGGTGCAGGGTGTGAGCATCACGCGGAGCTGCTGTGGTGGTGGGGCATGCGGCAGGCCACC
GTCAGCAACTTGTGGACCTCCTGTGCCGCTGGAGCTCTACCGGCTGCCAGATCATCCTGAACCTGGA
AACCGGCTCCTGAAATCAGGTGTCCATTCCAGCCTTCCCTGACTCTGTGAAGCCAGAAAAGCCTTTGGC
AGCTTCTGTAAGAAAGGCTGAGGATGAACAGGAAGAGGGGCAGCCTGTGAGGATGGCCACCTTTCCAGGC
CCAGGGTCTCTCCAGCCAGAGCCACCAGCCGGCCTTTCTCCAGCCTCCTGAAGAAGATGCCCTCATT
CCTTGAGAAGCGACCTCCCCTTCTGCTGATTCAAAGGACTTCAGCACCTCCATTCTAAGCAGGAAAA
ACTTTTGAGCTTGGCTGGAGACAGCCTTTCTGGAGTGAGGCAGACGTGGTCCAGGCAACCGATGACTTC
AATCAAAACCGCAAAATCAGCCAGGGGACCTTTGCTGACGTCTACAGAGGGCACAGGCACGGGAAGCCAT
TCGTCTTCAAGAAGCTCAGAGAGACAGCCTGTTCAAGTCCAGGATCAATCGAAAGATTCTCCAGGCAGA
GTTGCAGATTTGTCTTAGATGCTGCCACCCAATGTCTTACCTGTGCTGGGCTTCTGTGCTGCAAGACAG
TTTCACAGCTTACATACCCCTACATGGCAAAATGGTCCCTACAGGACAGACTGCAGGGTCAGGGTGGCT
CGGACCCCTCCCCTGGCCCCAGCGTGTGAGCATCTGCTCAGGGCTGCTCTGTGCCGTCGAGTACCTGCA
TGGTCTGGAGATCATCCACAGCAACGTCAAGAGCTCTAATGTCTTGTGGACCAAAATCTCACCCCAAA
CTTGCTCACCCAATGGCTCATCTGTGCTGTCAACAAAAGGTCAAAATACACCATGATGAAGACTCACC
TGCTCCGACGTGACCCGCGTATCTGCCAGAGGATTTTCCAGGGTGGGGCAGCTGACAAAGCGAGTGGA
CATCTTCAGCTGTGGAATAGTGTGGCCGAGGTCCTCACGGGCATCCCTGCAATGGATAACAACCGAAGC
CCGGTTTACCTGAAGGACTTACTCCTCAGTGATATTCCAAGCAGCACCCCTCGCTGCTCCAGGAAGA
CGGGCTGGAGAACGTGATGGCAAAGGAGATCTGCCAGAAGTACCTGGAGAAGGGCGCAGGGAGGCTTCC
GGAGGACTGCGCCGAGGCCCTGGCCACGCTGCCTGCCTGTGCCTGCGGAGGCGTAACACCAGCCTGCAG
GAGGTGTGTGGCTCTGTGGCTGTGTGGAAGAGCGGCTCCGAGGTGCGGAGACGTTGCTCCCTTGGAGTG
GGCTTTCTGAGGGTACAGGCTCTTCTTCCAACACCCAGAGGAAACCCACGACGTTGACAATTCAGCCT
TGATGCCTCCTCCTCCATGAGTGTGGCACCTGGGCAGGGGCTGCCACCCACTTCTCCACAGAGAAT
GGGAAGGAAGGCTGCGGGTATCGTGGGAAGGGAGGCTGACTCCTCCTGAGGCTGTGTTGGCCTGG
AGCCTCCCAGGATGTTACAGAACTTCTGGCAAATTGAGATCAATGAGGCCAAAAGGAAACTGATGGA
GAATATTCTGCTCTACAAAGAGGAAAAAGTGGACAGCATTGAGCTCTTTGGCCCCTGA
    
```

Clone variation with respect to NM_001570.3
 1587:c=>a 1588:c=>g

Restriction Sites: Please inquire
ACCN: NM_001570
Insert Size: 2100 bp

OTI Disclaimer:	<p>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.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
Components:	<p>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).</p>
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:	NM_001570.3 , NP_001561.3
RefSeq Size:	3469 bp
RefSeq ORF:	1878 bp
Locus ID:	3656
UniProt ID:	O43187
Cytogenetics:	3p25.3
Domains:	DEATH, pkinase
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Apoptosis, Neurotrophin signaling pathway
Gene Summary:	<p>IRAK2 encodes the interleukin-1 receptor-associated kinase 2, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. IRAK2 is reported to participate in the IL1-induced upregulation of NF-kappaB. [provided by RefSeq, Jul 2008]</p>