

Product datasheet for **SC125796**

IL1 Receptor II (IL1R2) (NM_004633) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL1 Receptor II (IL1R2) (NM_004633) Human Untagged Clone
Tag: Tag Free
Symbol: IL1 Receptor II
Synonyms: CD121b; CDw121b; IL-1R-2; IL-1RT-2; IL-1RT2; IL1R2c; IL1RB
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004633 edited
 CCCGTGAGGAGGAAAAGGTGTGTCGCTGCCACCCAGTGTGAGCGGGTGACACCACCCGG
 TTAGGAAATCCCAGCTCCCAAGAGGGTATAAATCCCTGCTTTACTGCTGAGCTCCTGCTG
 GAGGTGAAAGTCTGGCCTGGCAGCCTTCCCAGGTGAGCAGCAACAAGGCCACGTGCTGC
 TGGGTCTCAGTCTCCACTTCCCCTGCTCTGGAAGTTGTCAGGAGCAATGTTGCGCTT
 GTACGTGTTGGTAAATGGGAGTTTCTGCCTTACCCTTCAGCCTGCGGCACACACAGGGGC
 TGCCAGAAGCTGCCGTTTCGTGGGAGGCATTACAAGCGGGAGTTCAGGCTGGAAGGGGA
 GCCTGTAGCCCTGAGGTGCCCCAGGTGCCCTACTGGTTGTGGCCTCTGTAGCCCCCG
 CATCAACCTGACATGGCATAAAAATGACTCTGCTAGGACGGTCCCAGGAGAAGAAGAGAC
 ACGGATGTGGGCCAGGACGGTCTCTGTGGCTTCTGCCAGCCTTGCCAGGAGACTCTGG
 CACCTACGTCTGCACTACTAGAAATGCTTCTTACTGTGACAAAAATGTCCATTGAGCTCAG
 AGTTTTTGAGAATACAGATGCTTTCCTGCGGTTTCATCTCATAACCCGCAAATTTAAACCTT
 GTCAACCTCTGGGGTATTAGTATGCCCTGACCTGAGTGAATTCACCCGTGACAAAATGA
 CGTGAAGATTCAATGGTACAAGGATTCTCTTTTGGATAAAGACAATGAGAAATTTCT
 AAGTGTGAGGGGGACCACTCACTTACTCGTACACGATGTGGCCCTGGAAGATGCTGGCTA
 TTACCGCTGTGCTCCTGACATTTGCCATGAAGGCCAGCAATAACAATCACTAGGAGTAT
 TGAGCTACGCATCAAGAAAAAAAAAAGAAGAGACCATTCTGTGATCATTCCCCCCTCAA
 GACCATATCAGCTTCTCTGGGGTCAAGACTGACAATCCCCTGTAAGGTGTTTCTGGGAAC
 CGGCACACCCTTAACCACCATGCTGTGGTGGACGGCCAATGACACCCACATAGAGAGCGC
 CTACCCGGGAGGCCGCTGACCGAGGGGCCACGCCAGGAATATTAGAAAATAATGAGAA
 CTACATTGAAGTGCCATTGATTTTTGATCCTGTCAACAAGAGAGGATTTGCACATGGATTT
 TAAATGTGTTGTCCATAATACCCTGAGTTTTTACAGACTACGCACCACAGTCAAGGAAGC
 CTCCTCCAGTTCTCTGGGGCATTGTGCTGGCCCCACTTTCACTGGCCTTCTTGGTTTT
 GGGGGGAATATGGATGCACAGACGGTGCAAAACACAGAAGTGGAAAAGCAGATGGTCTGAC
 TGTGCTATGGCCTCATCATCAAGACTTTCAATCCTATCCCAAGTAAATAAATGGAATGA
 AATAATTCAAACACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004633 unedited TTCACGTTTCATGAATTTGTAATACGACTCACTATAGGGCGGCCGCGTATTAGATCTGGT ACCGGTCCGGAATTCCTGGGATCCCGTGAGGAGGAAAAGTGTGTCCGCTGCCACCCAGTG TGAGCGGGTGACACCACCCGGTTAGGAAATCCCAGCTCCCAAGAGGGTATAAATCCCTGC TTTACTGCTGAGCTCCTGCTGGAGGTGAAAGTCTGGCCTGGCAGCCTTCCCAGGTGAGC AGCAACAAGGCCACGTGCTGGGTCTCAGTCTCCACTTCCCCTGTCCTCTGGAAGTT GTCAGGAGCAATGTTGCGCTTGTACGTGTTGGTAATGGGAGTTTCTGCCTCACCCCTCA GCCTGCGGCACACACAGGGGCTGCCAGAAGCTGCCGGTTTCGTGGGAGGCATTACAAGCG GGAGTTACAGGCTGGAAGGGGAGCCTGTAGCCCTGAGGTGCCCCAGGTGCCCTACTGTT GTGGGCTCTGTAGCCCCGCATCAACCTGACATGGCATAAAAAATGACTCTGCTAGGAC GGTCCCAGGAGAAGAAGACACGGATGTGGGCCAGGACGGTCTGTGGCTTCTGCC AGCCTTGACAGGAGGACTCTGGCACCTACGTCTGCACTACTAGAAATGCTTCTTACTGTGA CAAAATGTCCATTGAGCTCAGAGTTCTTGAGAATACAGATGCTTCTCCTGCCGTTTCATCTC ATACCCGCAAATCTAACCTTGCAACCTCTGGGGTATTAGTATGCCCTGACCTGAGTGA ATTCACCCGTGACAAANTGACGTGAAGATTCAATGGTACAACGATTCTCCTCTTTTGCA TAAAGACCATGAGAAATCTAAGTGTGAGGGGGACACTCACTTACTCTACACGAGG
Restriction Sites:	Please inquire
ACCN:	NM_004633
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:	<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_004633.3 , NP_004624.1
RefSeq Size:	1484 bp
RefSeq ORF:	1197 bp
Locus ID:	7850
UniProt ID:	P27930
Cytogenetics:	2q11.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, MAPK signaling pathway

Gene Summary:

The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage. [provided by RefSeq, May 2012]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).