

Product datasheet for **SC332768**

IL1 Receptor II (IL1R2) (NM_001261419) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL1 Receptor II (IL1R2) (NM_001261419) Human Untagged Clone
Tag: Tag Free
Symbol: IL1 Receptor II
Synonyms: CD121b; CDw121b; IL-1R-2; IL-1RT-2; IL-1RT2; IL1R2c; IL1RB
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332768 representing NM_001261419.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTGCGCTTGTACGTGTTGGTAATGGGAGTTTCTGCCTTCACCCTTCAGCCTGCGGCACACACAGGG
GCTGCCAGAAGCTGCCGGTTTCTGTTGGGAGGCATTACAAGCGGGAGTTCAGGCTGGAAGGGGAGCCTGTA
GCCCTGAGGTGCCCCAGGTGCCCTACTGGTTGTGGCCCTCTGTCAGCCCCGCATCAACCTGACATGG
CATAAAAATGACTCTGCTAGGACGGTCCCAGGAGAAGAAGAGACCGGATGTGGGCCAGGACGGTCT
CTGTGGCTTCTGCCAGCCTTGCAGGAGGACTCTGGCACCTACGTCTGCACTACTAGAAATGCTTCTTAC
TGTGACAAAATGCCATTGAGCTCAGAGTTTTTGAGAATACAGATGCTTCTGCGGTTTCATCTCATA
CCGCAAAATTTAACCTTGTCAACCTCTGGGGTATTAGTATGCCCTGACCTGAGTGAATTCACCCGTGAC
AAAAGTACGCTGAAGATTCAATGGTACAAGGATTCTCTTCTTTGGATAAAGACAATGAGAAATTTCTA
AGTGTGAGGGGGACCACTCACTACTCGTACACGATGTGGCCCTGGAAGATGCTGGCTATTACCGCTGT
GTCCTGACATTTGCCATGAAGGCCAGCAATACAACATCACTAGGAGTATTGAGCTACGCATCAAGAAA
AAAAAGAAGAGACCATTCTGTGATCATTCCCCCTCAAGACCATATCAGTTCTCTGGGGTCAAGA
CTGACAATCCCGTGAAGGTGTTTCTGGGAACCGGCACACCCTTAACCACCATGCTGTGGTGGACGGCC
AATGACACCCACATAGAGAGCGCCTACCCGGGAGGCCGCTGACCGAGGGGCCACGCCAGTAA
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Restriction Sites: Sgfl-MluI
ACCN: NM_001261419
Insert Size: 891 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).



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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_001261419.1](#)

RefSeq Size: 1204 bp

RefSeq ORF: 891 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

MW: 33.6 kDa

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 (3) lacks multiple 3' exons and has an alternate 3' splice site which introduces an immediate stop codon, compared to variant 1. The encoded protein (isoform 2) has a shorter C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.