

Product datasheet for **SC122567**

IL1RA (IL1RN) (NM_000577) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL1RA (IL1RN) (NM_000577) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL1RA
Synonyms:	DIRA; ICIL-1RA; IL-1ra; IL-1ra3; IL-1RN; IL1F3; IL1RA; IRAP; MVCD4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000577 edited
 GGAAGACCTCCTGTCCTATCAGGCCCTCCCATGGCTTTAGAGACGATCTGCCGACCCTC
 TGGGAGAAAAATCCAGCAAGATGCAAGCCTTCAAGTCTGGGATGTTAACCAGAAGACCTT
 CTATCTGAGGAACAACCAACTAGTTGCCGGATACTTGCAAGGACCAAAATGTCAATTTAGA
 AGAAAAGATAGATGTGGTACCCATTGAGCCTCATGCTCTGTTCTTGGGAATCCATGGAGG
 GAAGATGTGCCTGTCTGTCAAGTCTGGTATGAGACCAGACTCCAGCTGGAGGCAGT
 TAACATCACTGACCTGAGCGAGAACAAGCAGGACAAGCGCTTCGCCTTCATCCGCTC
 AGACAGTGGCCCCACCACCAAGTTTTGAGTCTGCCGCCTGCCCGGTTGGTTCCTCTGCAC
 AGCGATGGAAGCTGACCAGCCCGTCAGCCTCACCAATATGCCTGACGAAGGCGTCATGGT
 CACCAAATTTACTTCCAGGAGGACGAGTAGTACTGCCAGGCCTGCCTGTTCCCATTTCT
 TGCATGGCAAGGACTGCAGGGACTGCCAGTCCCCCTGCCAGGGCTCCCGGCTATGGGG
 GCACTGAGGACCAGCCATTGAGGGGTGGACCCTCAGAAGGCGTCACAACAACCTGGTCAC
 AGGACTCTGCCTCCTTCAACTGACCAGCCTCCATGCTGCCTCCAGAATGGTCTTTCTA
 ATGTGTGAATCAGAGCACAGCAGCCCTGCACAAAGCCCTCCATGTCGCCTCTGCATTC
 AGGATCAAACCCGACCCTGCCAACCTGCTCTCCTTTGCCACTGCCTCTTCTCCTCC
 TCATTCCACCTTCCCATGCCCTGGATCCATCAGGCCACTTGATGACCCCAACCAAGTGG
 CTTCCACACCCTGTTTTCAAAAAAGAAAAGACCAGTCCATGAGGGAGGTTTTAAAGGT
 TTGTGGAAAAATGAAAATTAGGATTTTATGATTTTTTTTTTTTTCAGTCCCCGTGAAGGAGAG
 CCCTTCATTTGGAGATTATGTTCTTTTGGGGAGAGGCTGAGGACTTAAAAATTCCTGCA
 TTTGTGAAATGATGGTAAAAGTAAAGTGGTAGCTTTTCCCTTCTTTTTTCTTTTTTTGT
 GATGTCCCAACTTGTAATAAATAAAGTTATGGTACTATGTTAGCCCCATAATTTTTTTTT
 TTCCTTTTAAACACTTCCATAATCTGGACTCCTCTGTCCAGGCACTGCTGCCAGCCTC
 CAAGCTCCATCTCCACTCCAGATTTTTTACAGCTGCCTGCAGTACTTTACCTCCTATCAG
 AAGTTTTCTCAGCTCCCAAGGCTCTGAGCAATGTGGCTCCTGGGGTTCTTTCTTCTCT
 GCTGAAGGAATAAATTGCTCCTTGACATTGTAGAGCTTCTGGCACTTGGAGACTGTATG
 AAAGATGGCTGTGCCTCTGCCTGTCTCCCCACCAGGCTGGGAGCTCTGCAGAGCAGGAA
 ACATGACTCGTATATGTCTCAGGTCCTGCAGGGCCAAGCACCTAGCCTCGCTCTGGCA
 GGTACTCAGCGAATGAATGCTGTATATGTTGGGTGCAAAGTTCCTACTTCTGTGACTT
 CAGCTCTGTTTTACAATAAAATCTTGAATGCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000577 unedited
 ATAGCGTTCGCTTTTGTATACGACTCATTTAGGGCGGCCGTAATTCGCACGAGGGGGA
 ANACCTCTGTCTATCAGGCCCTCCCTGGCTTTAGAGACGATCTGCCGACCCTCTGGG
 CAGAAAATCCAGCAAGATGCAAGCCTTCAATCTGGGATGTTAACCAGAAGACCTTCTA
 TCTGAGGAACAACCAACTAGTTGCCGGATACTTGCAAGGACCAAAATGTCAATTTAGAAGA
 AAAGATAGATGTGGTACCCATTGAGCCTCATGCTCTGTTCTTGGGAATCCATGGAGGGAA
 GATGTGCCTGTCTGTCAAGTCTGGTATGAGACCAGACTCCAGCTGGAGGCAGTTAA
 CATCACTGACCTGAGCGAGAACAAGCAGGACAAGCGCTTCGCCTTCATCCGCTCAGA
 CAGTGGCCCCACCACAGTTTTGAGTCTGCCGCCTGCCCGGTTGGTTCCTCTGCACAGC
 GATGGAAGCTGACCAGCCGTCAGCCTCACCAATATGCCTGACGAATGCGTCATGGTCAC
 CAAATTCTACTTCCAGGAGGACGAGTAGTACTGCCAGGCCTGCCTGTTCCCATTTCTTGC
 ATGGCAAGGACTGCAGGGACTGCCAGTCCCCCTGCCAGGGCTCCCGGCTATGGGGGCA
 CTGAGGACCCGCCATTGAGGGGTGGACCCTCAGAAGGCGTCACAACAACCTGGTCACAGG
 ACTCTGCCTCCCCTTCAACTGACCAGCCTCCTTGTGCCTACAGAATGGTCTTTCTAATG
 TGTGAATCACACCCAGCATCCCCTTGAAGAGCCTTTCAGGTCGCTTTGGCTTTATGAT
 CAAACCCCGGACCACTGGCCAACCGCTTTTCTTGTGCATTGGCCCTTCTTCCCTCATC
 CGACCTGGCAG

Restriction Sites: Please inquire
ACCN: NM_000577

Insert Size:	1716 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).
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_000577.3 , NP_000568.1
RefSeq Size:	1802 bp
RefSeq ORF:	480 bp
Locus ID:	3557
UniProt ID:	P18510
Cytogenetics:	2q14.1
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>The protein encoded by this gene is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses, particularly in the acute phase of infection and inflammation. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Aug 2020]</p> <p>Transcript Variant: This variant (3) lacks an inframe coding segment, as compared to variant 2. The resulting isoform (3) lacks an internal region, as compared to the longest isoform (2).</p>