

## Product datasheet for **SC306939**

### IL1RA (IL1RN) (NM\_173842) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL1RA (IL1RN) (NM\_173842) 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:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_173842 edited  
 ATGGAAATCTGCAGAGGCCTCCGCAGTCACCTAATCACTCTCCTCCTCTTCTGTTCCAT  
 TCAGAGACGATCTGCCGACCTCTGGGAGAAAATCCAGCAAGATGCAAGCCTTCAGAATC  
 TGGGATGTTAACCAGAAGACCTTCTATCTGAGGAACAACCAACTAGTTGCCGGATACTTG  
 CAAGGACCAAATGTCAATTTAGAAGAAAAGATAGATGTGGTACCCATTGAGCCTCATGCT  
 CTGTTCTTGGGAATCCATGGAGGGAAGATGTGCCTGTCCTGTGTCAAGTCTGGTATGAG  
 ACCAGACTCCAGCTGGAGGCAGTTAACATCACTGACCTGAGCGAGAACAGAAAGCAGGAC  
 AAGCGCTTCGCCTTCATCCGCTCAGACAGTGGCCCCACCACAGTTTTGAGTCTGCCGCC  
 TGCCCCGTTGGTTCTCTGCACAGCGATGGAAGCTGACCAGCCCGTCAGCCTACCAAT  
 ATGCCTGACGAAGCGTCATGGTCACCAAATTCTACTTCCAGGAGACGAGTAG

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_173842 unedited  
 TTGTNACGTCGTTTTTTGTATACGACTCCTATAGGCGGCCGNAATTCTGGNAAATCTG  
 CAGAGGCCTCCGCAGTCACCTAATCACTCTCCTCCTTCTGTTCCATTAGAGACGAT  
 CTGCCGACCTCTGGGAGAAAATCCAGCAAGATGCAAGCCTTCAGAATCTGGGATGTTAA  
 CCAGAAGACCTTCTATCTGAGGAACAACCAACTAGTTGCCGGATACTTGAAGGACCAAA  
 TGTCATTTAGAAGAAAAGATAGATGTGGTACCCATTGAGCCTCATGCTCTGTTCTTGGG  
 AATCCATGGAGGGAAGATGTGCCTGTCTGTCAAGTCTGGTATGAGACCAGACTCCA  
 GCTGGAGGCAGTTAACATCACTGACCTGAGCGAGAACAGAAAGCAGGACAAGCGCTTCGC  
 CTTTCATCCGCTCAGACAGTGGCCCCACCACAGTTTTGAGTCTGCCGCTGCCCGGTTG  
 GTTCTCTGCACAGCGATGGAAGCTGACCAGCCCGTCAGCCTACCAATATGCCTGACGA  
 AGGCGTCATGGTCACCAAATTTCTACTTCCAGGAGGACGAGTAGTACTGCCAGGCCTGCC  
 TGTTCCTTCTGTCATGGCAAGGACTGCAGGNACTGCCAGTCCCCCTGCCCGAGGGTCC  
 CCGGCTATGGGGGCACTNGAGACCAGCCATTGAGGGGTGGACCCTCAGAAGGCGTCACAA  
 CAACCTGGTCACAGGACTCTGCCTTCTCTTCACTGACCAGCCTCCATGCTGCCTNCAGAA  
 TGGTCTTTCTAATGTGTGAAATCAGAACACAGGAGCCCCCTGCACCAAGCCCTTCCATGTC  
 CGCCCCGCTTTCAGGGATCAAACCCCGACCACCT



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_173842
<b>Insert Size:</b>	2000 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_173842.1</a> , <a href="#">NP_776214.1</a>
<b>RefSeq Size:</b>	1760 bp
<b>RefSeq ORF:</b>	534 bp
<b>Locus ID:</b>	3557
<b>UniProt ID:</b>	<a href="#">P18510</a>
<b>Cytogenetics:</b>	2q14.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	<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 (1) differs in the 5' end compared to variant 2, resulting in an isoform (1) that has a distinct and shorter N-terminus, as compared to the longest isoform (2).</p>