

## Product datasheet for SC119624

### IL1 Receptor I (IL1R1) (NM\_000877) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL1 Receptor I (IL1R1) (NM_000877) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL1 Receptor I
Synonyms:	CD121A; D2S1473; IL-1R-alpha; IL1R; IL1RA; P80
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_000877 edited  
GAATTCGGCACGAGTCTCGCCCCTGAGCTGAGCCGGGTTCCGCCCGGGCTGGGATCC  
CATCACCTCCACGGCCGTCAGGTAGACGCACCCTCTGAAGATGGTGACTCCCTC  
CTGAGAAGCTGGACCCCTTGGTAAAAGACAAGGCCTTCTCCAAGAAGAATATGAAAGTGT  
TACTCAGACTTATTTGTTTCATAGCTCTACTGATTTCTTCTCTGGAGGCTGATAAATGCA  
AGGAACGTGAAGAAAAAATAATTTTGTGTCATCTGCAATGAAATTGATGTTTCGTCCT  
GTCCTCTTAACCCAAATGAACACAAAGGCACTATAACTTGGTATAAAGATGACAGCAAGA  
CACCTGTATCTACAGAACAAGCCTCCAGGATTCATCAACACAAAGAGAACTTTGGTTTG  
TTCCTGCTAAGGTGGAGGATTACAGGACCTACTATTGCGTGGTAAGAAATTCATCTTACT  
GCCTCAGAATTAATAAGTCAAAAATTTGTGGAGAATGAGCCTAACTTATGTTATAATG  
CACAAGCCATATTTAAGCAGAACTACCCGTTGCAGGAGACGGAGGACTTGTGTGCCCTT  
ATATGGAGTTTTTAAAAATGAAAATAATGAGTTACCTAAATTACAGTGGTATAAGGATT  
GCAAACCTCTACTTCTTGACAATATACACTTTAGTGGAGTCAAAGATAGGCTCATCGTGA  
TGAATGTGGCTGAAAAGCATAGAGGGAACTATACTTGTGCATGCATCCTACACATACTTGG  
GCAAGCAATATCCTATTACCCGGTAATAGAATTTACTCTAGAGGAAAAACAAACCA  
CAAGGCCGTGATTGTGAGCCCAGCTAATGAGACAATGGAAGTAGACTTGGGATCCCAGA  
TACAATTGATCTGTAATGTCACCCGCCAGTTGAGTGACATTGCTTACTGGAAGTGAATG  
GGTCAGTAATTGATGAAGATGACCCAGTGCTAGGGGAAGACTATTACAGTGTGAAAAATC  
CTGCAACAAAAGAAGGAGTACCCTCATCACAGTGCTTAATATATCGGAAATTGAAAGTA  
GATTTTATAAACATCCTTTTACCTGTTTTGCCAAGAATACACATGGTATAGATGCAGCAT  
ATATCCAGTTAATATATCCAGTCACTAATTTCCAGAAGCACATGATTGGTATATGTGTCA  
CGTTGACAGTCATAATTGTGTGTTCTGTTTTCTATATAAAATCTTCAAGATTGACATTG  
TGCTTTGGTACAGGGATTCTGCTATGATTTTCTCCCAATAAAAGCTTACAGTGGAAAGA  
CCTATGACGCATATACTGTATCCAAAGACTGTTGGGGAAGGGTCTACCTCTGACTGTG  
ATATTTTGTGTTTTAAAGTCTTGCCTGAGGTCTTGGAAAAACAGTGTGGATATAAGCTGT  
TCATTTATGGAAGGGATGACTACGTTGGGGAAGACATTGTTGAGGTCATTAATGAAAACG  
TAAAGAAAAGCAGAAGACTGATTATCATTTTGTAGTCAGAGAAACATCAGGCTTCAGCTGCC



[View online »](#)

TGGGTGGTTCATCTGAAGAGCAAATAGCCATGTATAATGCTCTTGTTCAGGATGGAATTA  
 AAGTTGCTGCTTGAGCTGGAGAAAATCCAAGACTATGAGAAAATGCCAGAATCGATTA  
 AATTTCATTAAGCAGAAACATGGGGCTATCCGCTGGTCAGGGGACTTTACACAGGGACCAC  
 AGTCTGCAAAGACAAGGTTCTGGAAGAATGTCAGGTACCACATGCCAGTCCAGCGACGGT  
 CACCTTCATCTAAACACCAGTTACTGTCACCAGCCACTAAGGAGAAAAGTCAAAAGAGAGG  
 CTCACGTGCCTCTCGGGTAGCATGGAGAAGTTGCCAAGAGTTCTTTAGGTGCCTCCTGTC  
 TTATGGCGTTGCAGGCCAGGTTATGCCTCATGCTGACTTGCAGAGTTTCATGGAATGTAAC  
 TATATCATCCTTTATCCCTGAGGTCACCTGGAATCAGATTATTAAGGGAATAAGCCATGA  
 CGTCAATAGCAGCCCAGGCCACTTCAGAGTAGAGGGCTTGGGAAGATCTTTTAAAAAGGC  
 AGTAGGCCCGGTGTGGTGGCTCACGCCTATAATCCCAGCACTTTGGGAGGCTGAAGTGGG  
 TGGATCACAGAGGTGAGGATTCGAGACCAGCCAGCCAACATGGCAAAAACCCCATCTC  
 TACTAAAAATACAAAATGAGCTAGGCATGGTGGCACACGCCTGTAAATCCCAGCTACACC  
 TGAGGCTGAGGCAGGAGAATTGCTTGAACCGGGGAGACGGAGGTTGCAGTGAGCCGAGTT  
 TGGGCCACTGCACTCTAGCCTGGCAACAGAGCAAGACTCCGTCTCAAAAAAGGGCAATA  
 AATGCCCTCTCTGAATGTTTGAAGTCCCAAGAAAAGGCATGGAGACAGCGAACTAGAAGA  
 AAGGGCAAGAAGGAAATAGCCACCGTCTACAGATGGCTTAGTTAAGTCATCCACAGCCCA  
 AGGGCGGGGCTATGCCTGTCTGGGGACCCTGTAGAGTCACTGACCCCTGGAGCGGCTCTC  
 CTGAGAGGTGCTGCAGGCAAAAGTGAAGTACTGACACCTCACTGAGGAAGGGAGACATATTCT  
 TGGAGAATTTCCATCTGCTTGTATTTCCATACACATCCCCAGCCAGAAGTTAGTGCC  
 GAAGACCGAATTTTATTTACAGAGCTTGAAGTCACTTCAATGAACAAAGGGATTCTC  
 CAGGATTTCAAAGTTTGAAGTCACTTAGCTTTCCACAGGAGGGAGAGAAGTAAAAAA  
 GCAACAGTAGCAGGGAATTGATCCACTTCTTAATGCTTTCCCTCCCTGGCATGACCATCCT  
 GTCCTTTGTTATATCCCTGCATTTTACGCTTTTGGAGAACAGCTCCCTAGTGGCTCCT  
 CCATCTGCAATGCCCTTGCACAGCCACACATGAACCATCCTTCCCATGATGCCCTCT  
 TCTGTATCCCGCTCCTGCTGAAACACCTCCCAGGGGCTCCACCTGTTTCAGGAGCTGAAG  
 CCCATGCTTTCCACCAGCATGTCACTCCAGACCACCTCCCTGCCCTGTCTCCAGCTT  
 CCCCTCGCTGCTGCTGTGTAATTTCCAGGTTGGCCTGGTGGCCATGTCGCTGCCCT  
 CAGCACTCCTCTGCTCTGCTTGCCTGCACCCTTCTCCTCCTTTGCCTAGGAGGCT  
 TCTCGATTTTCTAGCTGATCAGAATTTTACAAAATTCAGAACATCCTCCAATTCCA  
 CAGTCTCTGGGAGACTTTCCCTAAGAGGGGACTTCTCTCCAGCCTTCTCTCTGGTCA  
 GGCCCACTGCAGAGATGGTGGTGAACACATCTGGGAGGCTGGTCTCCCTCCAGCTGGAAT  
 TGCTGCTCTCTGAGGGAGAGGCTGTGGTGGCTGTCTGTCCCTCACTGCCTTCCAGGAG  
 CAATTTGCACATGTAACATAGATTTATGTAATGCTTTATGTTTAAAAACATTTCCCAATT  
 ATCTTATTTAATTTTGAATTATTCTAATTTTATATATAGAGAAAAGTGACCTATTTTTT  
 AAAAAATCACACTCTAAGTTCTATTGAACCTAGGACTTGAGCCTCCATTTCTGGCTTCT  
 AGTCTGGTGTCTGAGTACTTGATTTTCAAGTCAATAACGGTCCCCCTCACTCCACACTG  
 GCACGTTTGTGAGAAGAAATGACATTTTGTAGGAAGTGACCGAGTCTAGGAATGCTTTT  
 ATTCAGACACCAAAATTCAAACTTCTAAATGTTGGAATTTTCAAAAATGTGTTTAGAT  
 TTTATGAAAAACTTTCTACTTTTCTATTCTTTCCCTAGAGGCAAAACATTTCTTAAAA  
 TGTTTCATTTTCAATTAATAAATGAAAGCCAAATTTATATGCCACCGATTGCAGGACACAAG  
 CACAGTTTTAAGAGTTGTATGAACATGGAGAGGACTTTTGGTTTTTATTTTCTCGTATT  
 TAATATGGGTGAACCAACTTTTATTTGGAATAATAATTTTCCCTAAACAAAAACAC  
 ATTGAGTTAAGTCTCTGACTCTTGCCTTTCCACCTGCTTTCTCCTGGGCCCGCTTTGCC  
 TGCTTGAAGGAACAGTGTCTGTTCTGGAGCTGCTGTTCCAACAGACAGGGCCTAGCTTTCA  
 TTTGACACACAGACTACAGCCAGAAGCCCATGGAGCAGGGATGTCACGTCTTGAAAAGCC  
 TATTAGATGTTTTACAAATTTAATTTTGCAGATATTTTGTCTGTCATCCAGAAAATGT  
 GTCAGCATGCATAGTGCTAAGAAAGCAAGCCAATTTGAAAAGTAGGTTAGTGACAAAAT  
 TGGCCAGAGAGTGGGGGTGATGATGACCAAGAATTACAAGTAGAATGGCAGCTGGAATTT  
 AAGGAGGGACAAGAATCAATGGATAAGCGTGGGTGGAGGAAGATCCAAACAGAAAAGTGC  
 AAAGTTATTTCCCATCTTCCAAGGGTTGAATTTCTGGAGGAAGAAGACACATTTCTAGTTC  
 CCCGTGAACCTTCTTTGACTTATTGTCCCCTAAAACAAAAACAAAAACTTTTAAATGCC  
 TTCCACATTAATTAGATTTTCTTGCAGTTTTTTTATGGCATTTTTTTAAAGATGCCCTAA

GTGTTGAAGAAGAGTTTGCAAATGCAACAAAATATTTAATTACCGTGTGTTAAAAGTGGT  
 TTAGCACAATTTATATTTTCCCTCTCTTGCCTTCTTATTTGCAATAAAAAGGTATTGAGC  
 CATTTTTTAAATGACATTTTGTATAAATATGTTTGTACTAGTTGATGAAGGAGTTTTTT  
 TTAACCTGTTTATATAATTTTGCAGCAGAAGCCAAATTTTTGTATTTAAAGCACCAAA  
 TTCATGTACAGCATGCATCAGGATCAATAGACTGTACTTATTTTCCAATAAAAATTTTCA  
 AACTTTAAAAAAAAAAAAAAAAAACTCGAC

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_000877 unedited  
 CGCGAATTCGGCAGGAGTCTCGCCCTCTGAGCTGAGCCGGGTTCCGCCGGGGCTGGGA  
 TCCCATCACCTCCACGGCCGTCCTCCAGGTAGACGCACCCTCTGAAGATGGTGACTCC  
 CTCCTGAGAAGCTGGACCCTTGGTAAAAGACAAGGCCTTCTCCAAGAAGAATATGAAAG  
 TGTTACTCAGACTTATTTGTTTCATAGCTGTACTGATTTCTTCTGAGGCTGATAAAT  
 GCAAGGAACGTGAAGAAAAATAATTTTAGTGTCTGCAAAATGAAATGATGTTTCGTC  
 CCTGCTCTTAAACCCAAATGAACACAAAGGCCTATAACTTGGTATAAAGATGACAGCA  
 AGACACCTGTATCTACAGAACAAGCCTCCAGGATTCATCAACACAAAGAGAACTTTGGT  
 TTGTTCTGCTAAGGTGGAGATTACAGGACATTACTATTGCGTGGTAAGAAATTCATCTT  
 ACTGCCTCAGAATTAATAAGTGCAAAATTTGTGGAATGAGCCTAATTATGTTATA  
 ATGCACAAGCCATATTTAAGCAGAACTACCCGTTGCAGGAGACGGAGGACTTGTGTGCC  
 CTTATATGGAGTTTTTAAAAATGAAAATAATGAGTTACCTAAATTACAGTGGTATAAGG  
 ATTGCAAACCTCTACTTCTGANCATATACACTNNTAAGTGGAGTCAAAGATAGGGCTCAT  
 CGTGAATGAATGGTGGCTGAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_000877 unedited  
 TTTGGACGCGCCGCTTTCTAAAGTCGGTTTTTTTTTTTTTTTTTAAAGTTGAAAATT  
 TTATCTGGAAAATAAGTACANGTCTATTAGATCCGTGATGCATAGCTGTACATGAAATTT  
 GGTAGCTTTAATATACAAAAATTTGGCTCTGCTGCAAAATATATAAACAGTTTAA  
 AAAAACTCTTCACTAGTACAAACATAATTTATCAAAAATGTCATTTAAAAATGG  
 CTCAATACCTTTTATTGCAAATAAGAAAGCAAGAGAGGGAAAAATATAAATTGTGCTAAA  
 CCAGTTTTAAACAACCGGTAAATTAATATTTTGTGCAATTTGCAAACTCTTCTCAACACT  
 TAGGGCATCTTTAAAAAATGCCATAAAAAAAGTCAAGAAAATCTAATTAATGTGGAAG  
 GCATTAAGTGTGTTTTGTTTTGTTTTAGTGGGACAATAAGTCAAAGGAAGTTCACGGGG  
 AACTAGGAATGTGCTTCTCTCCAGAATTAACCCCTTGAAGATGGGGAATAACTTTG  
 CACTTTTCTGTTGGATCTTCTCCACCCACGCTTATCCATTGATTTGTCCCTCCTTA  
 AATTCCAGCTGCCATTCTACTTGAATTTCTGGTCATCATCACCCCACTCTCTGGCCAA  
 TTTTGTCACTAACCTAAGTTTCCAAATTTGGCTTGTCTTTAGCACTATGCATGCTGACA  
 CATTCTGGATGACAGACTAAAATAATCTGAAAATAAATTTGGAAAACATCAAATAAG  
 CTTTTCAAGACGTGACATCCCTGCCCCAGGGCCTTCTGGCTGTATCCCGGGGGTCAAATG  
 AAACCCAGCCCTGGCCGGGGACAGCAGCTCAGAAAACCTGGTCTTAAGCGGCAAGG  
 GGCCAGCAAACCCGGGGCAAAGGCAATCACACCTTATACCCCGGTTTTTGTAAACA  
 GAAAT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_000877

**Insert Size:**

4890 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).

<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_000877.2</a> , <a href="#">NP_000868.1</a>
<b>RefSeq Size:</b>	4909 bp
<b>RefSeq ORF:</b>	1710 bp
<b>Locus ID:</b>	3554
<b>UniProt ID:</b>	<a href="#">P14778</a>
<b>Cytogenetics:</b>	2q11.2-q12.1
<b>Domains:</b>	TIR, IG
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Apoptosis, Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, MAPK signaling pathway
<b>Gene Summary:</b>	<p>This gene encodes a cytokine receptor that belongs to the interleukin-1 receptor family. The encoded protein is a receptor for interleukin-1 alpha, interleukin-1 beta, and interleukin-1 receptor antagonist. It is an important mediator involved in many cytokine-induced immune and inflammatory responses. This gene is located in a cluster of related cytokine receptor genes on chromosome 2q12. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (1) is transcribed from a downstream promoter compared to variant 2.</p>