

Product datasheet for **SC117717**

IL18R Beta (IL18RAP) (NM_003853) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL18R Beta (IL18RAP) (NM_003853) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL18R Beta
Synonyms:	ACPL; CD218b; CDw218b; IL-1R-7; IL-1R7; IL-1RAcPL; IL-18R-beta; IL-18RAcP; IL-18Rbeta; IL18RB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC117717 sequence for NM_003853 edited (data generated by NextGen Sequencing)

```

ATGCTCTGTTGGGCTGGATATTTCTTTGGCTTGTTCAGGAGAGCGAATTAAGGATTT
AATATTTTCAGGTTGTTCCACAAAAAATCCTTTGGACATATTCTACAAGGAGTGAAGAG
GAATTTGTCTTATTTTGTGATTTACCAGAGCCACAGAAATCACATTTCTGCCACAGAAAT
CGACTCTACCAAAAACAAGTCCCTGAGCACCTGCCCTTCATGGGTAGTAACGACCTATCT
GATGTCCAATGGTACCAACAACCTTCGAATGGAGATCCATTAGAGGACATTAGGAAAAGC
TATCCTCACATCATTGAGGACAAAATGTACCCTTCACTTTTTGACCCAGGGGTGAATAAT
TCTGGGTCAATATTTGTAGACCAAGATGATTAAAGAGCCCTATGATGTAGCCTGTTGT
GTCAAGATGATTTTAGAAGTTAAGCCCCAGACAAATGCATCCTGTGAGTATTCGCATCA
CATAAGCAAGACCTACTTCTGGGAGCACTGGCTCTATTTCTGCCCCAGTCTCAGCTGC
CAAAGTGATGCACAAAGTCCAGCGGTAACCTGGTACAAGAATGGAAAACCTCTCTGTG
GAAAGGAGCAACCGAATCGTAGTGGATGAAGTTTATGACTATCACCAGGGCACATATGTA
TGTGATTACACTCAGTCGGATACTGTGAGTTCGTGGACAGTCAGAGCTGTTGTTCAAGTG
AGAACCATTGTGGGAGACTAAACTCAAACCAGATATTCTGGATCCTGTGAGGACACA
CTGGAAGTAGAAGCTTGGAAAGCCTTAACTATTAGCTGCAAAAGCAGATTGGCTTTGAA
AGGGTCTTTAACCTGTCAAAAATGGTACATCAAAGATTCTGACCTAGAGTGGGAAGTC
TCAGTACCTGAGGCGAAAAGTATTAATCCACTTTAAAGGATGAAATCATTGAGCGTAAT
ATCATCTTGGAAAAAGTCACTCAGCGTGATCTTCGAGGAAAGTTGTTTGTCTTTGCCAG
AACTCCATTGGAAACACAACCCAGTCCGTCCAAGTAAAGAAAAGAGAGGAGTGGTGCTC
CTGTACATCCTGCTTGGCACCATCGGGACCCTGGTGGCCGTGCTGGCGGCGAGTGCCTC
CTCTACAGGCACTGGATTGAAATAGTGTGCTGTACCGGACCTACCAGAGCAAGGATCAG
ACGCTTGGGGATAAAAAGGATTTTGTATGCTTTTGTATCCTATGCAAAAATGGAGCTTTTT
CCAAGTGAGGCCACTTCACTCTCTGAGTGAAGAACAACCTTGGCCCTGAGCCTATTTCTGT
GTTTTAGAAAACAATATGGATATAGCCTGTGTTTGTGTTGAAAGAGATGTGGCTCCAGGA
GGAGTGTATGCAGAAGACATTGTGAGCATTATTAAGAGAAGCAGAAGAGGAATATTTATC
TTGAGCCCAACTATGTCAATGGACCCAGTATCTTTGAACTACAAGCAGCAGTGAATCTT
GCCTTGGATGATCAAACACTGAAACTCATTTTAATTAAGTTCTGTTACTTCCAAGAGCCA
GAGTCTCTACCTCATCTCGTAAAAAAGCTCTCAGGGTTTTGCCACAGTTACTTGGAGA
GGCTTAAATCAGTTCCTCCCAATTCTAGGTTCTGGGCCAAAATGCGCTACCACATGCCT
GTGAAAAACTCTCAGGGATTCAGTGGAAACCAGCTCAGAATTACCTCTAGGATTTTTAG
TGGAAAGGACTCAGTAGAACAGAAACCCTGGGAGGAGCTCCAGCCTAAGGAATGGTGA
    
```

Clone variation with respect to NM_003853.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003853 unedited

```

GCATTTGTATACGACTCACTATAGGGCGCCGCGAATTCGGCACGAGGAAAGAGTATCTC
TCTGGATAGGAAGAAATATAGTAGAACCCCTTTGAAAATGGATATTTTCACATATTTTCGT
TCAGATACAAAAGCTGGCAGTTACTGAAATAAGGACTTGAAGTTCCTTCTTTTTTTTT
ATGTCTTAAGAGCAGGAAATAAAGAGACAGCTGAAGGTGTAGCCTTGACCAACTGAAAGG
GAAATCTTCATCCTCTGAAAAAACATATGTGATTCTCAAAAACGCATCTGGAAAATTGA
TAAAGAAGCGATTCTGTAGATTCTCCAGCGCTGTTGGGCTCTCAATTCCTTCTGTGAAG
GACAACATATGGTGATGGGGAAATCAGAAGCTTTGAGACCCTCTACACCTGGATATGAAT
CCCCCTTCTAATACTTACCAGAAATGAAGGGGATACTCAGGGCAGAGTTCTGAATCTCAA
AACACTCTAATCTGGCAAAGGAATGAAGTTATTGGAGTGTGACAGGAACACGGGAGAAC
AATGCTCTGTTTGGGCTGGATATTTCTTTGGCTTGTTCAGGAGAGCGAATTAAGGATT
TAATATTTTCAGGTTGTTCCACAAAAAATCCTTTGGACATATTCTACAAGGAGTGAAGA
GGAATTTGTCTTATTTTGTGATTTACCAGAGCCACAGAAATCACATTTCTGCCACAGAAA
TCGACTCTACCAAAAACAAGTCCCTGAGCACCTGCCCTTCATGGGTAGTAACGACCTATC
TGATGTCCAATGGTACCAACAACCTTTTCGATGGAGATCCATTAGAGGACATTANGAAAAGC
TATCCTCACATCATTGAGGACAATGTACCCTTACTTNTTGACCCAGGNTGAATANTCCTG
GGTATATATTTGTAGACCAAGAGATTAGAGCCCTATGAGTACCTGTGTGTGAG
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003853 unedited GCGGCCGCAATTTANAGTCGAGTTTTTTTTTTTTTTTTTTAATAAAAAATATTTATTTG ATTGCAAGTATACATAAAGTCATATGTACAATACATGGTAGACATGACAGTTCCCTAGCC ATAAGGCAGAAGTAGCTGATTTTCTGATTCTGCTCGGACCACTGGGAAATCTTAGGGGT GTTGTGTACTGAAAGTACCCAAGTCTAGAGAATCACTCGCCGTCTGTCCAGTCCAGGA AATCAAAGGCTCTAAACCACAGTCTCAATCCCATTCCATTGTCCATCAAGCTTGCTTGGT GCTGGCAGGAGACTCTTTGAATTTCTATCAGCCTGAACACACACACAGAGCTGTGAG TTCTGTCCAGCAACATCTATCCCAGGACTGGACTGGAGGGGGCTCCAGGGCTCATT CACCATTCTTAGGCTGGGAGCTCCTCCAGTGGTTTCTGTTCTACTGAGTCCTTTCCAC TGAAAAATCCTAGAGGTAATTCTGAGCTGGTTCCACGTGAATCCCTGAGAGTTTTTCACA GGCATGTGGTAGCGCATTTTGGCCACACCTACAATTGGAGGAACTGATTTTAAGCCTCT CCAAGTAACTGTGGGCAAACCCTGAGAGCTTTTTTACGAGATGAGGTANAGACTCTGG CTCTTGAAGTAAACACCTTAATTAACGAGCTTCACCGTTTGATCCTCAAGGCAAGA TTCCCTGCTGCTGTACTTCAAAAAACTGGGCCATGCCATTATTGGCGGGCCTAAGAA CAAAATCCCTTTTCGCCTCCCTTAAAACGCCTCCAAGGTCTTCTGCAACCACCTCTCC CGGAGCACCTTCTTTAAAGAAACCACAGCTATACCATTTTGGTTTCTTAACACTAGAAA AAGCCCCGCGCCCATGTTTTTCATTTAAAATAAAAGGCCCCACCTCGGAACAAGTCCAA
Restriction Sites:	NotI-NotI
ACCN:	NM_003853
Insert Size:	2850 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_003853.2 , NP_003844.1
RefSeq Size:	2668 bp
RefSeq ORF:	1800 bp
Locus ID:	8807
UniProt ID:	O95256
Cytogenetics:	2q12.1
Domains:	TIR, IG
Protein Families:	Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: The protein encoded by this gene is an accessory subunit of the heterodimeric receptor for interleukin 18 (IL18), a proinflammatory cytokine involved in inducing cell-mediated immunity. This protein enhances the IL18-binding activity of the IL18 receptor and plays a role in signaling by IL18. Mutations in this gene are associated with Crohn's disease and inflammatory bowel disease, and susceptibility to celiac disease and leprosy. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2014]