

Product datasheet for **RG221477**

IL18R Beta (IL18RAP) (NM_003853) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL18R Beta (IL18RAP) (NM_003853) Human Tagged ORF Clone
Tag:	TurboGFP
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:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG221477 representing NM_003853
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTGTTGGCTGGATATTTCTTTGGCTTGTTCAGGAGAGCGAATTAAGGATTTAATATTTTCAG
 GTTGTTCACAAAAAATCCTTTGGACATATTCTACAAGGAGTGAAGAGGAATTTGCTTATTTTGTGA
 TTTACCAGAGCCACAGAAATCACATTTCTGCCACAGAAATCGACTCTACCAAAAAAAGTCCCTGAGCAC
 CTGCCCTTCATGGGTAGTAACGACCTATCTGATGTCCAATGGTACCAACAACCTTGAATGGAGATCCAT
 TAGAGGACATTAGGAAAAGCTATCCTCACATCATTAGGACAAAATGTACCCTTCACTTTTGGACCCAGG
 GGTGAATAATTCTGGGTCATATATTTGTAGACCAAGATGATTAAGAGCCCCTATGATGTAGCCTGTTGT
 GTCAAGATGATTTAGAAGTTAAGCCCCAGACAAATGCATCCTGTGAGTATTCGCATCACATAAGCAAG
 ACCTACTTCTGGGAGCACTGGCTCTATTTCTGGCCAGTCTCAGCTGCCAAAGTATGCACAAAGTCC
 AGCGGTAACTGGTACAAGAATGAAAACTCCTCTGTGAAAGGAGCAACCGAATCGTAGTGGATGAA
 GTTTATGACTATACCCAGGGCACATATGTATGTGATTACACTCAGTCGGATACTGTGAGTTCGTGGACAG
 TCAGAGCTGTTGTTCAAGTGAGAACCATTGTGGGAGACACTAAACTCAAACCAGATATTCTGGATCCTGT
 CGAGGACACACTGGAAGTAGAAGTTGAAAAGCCTTAACTATTAGCTGCAAAGCACGATTTGGCTTTGAA
 AGGGTCTTTAACCTGTCAAAAATGGTACATCAAAGATTCTGACCTAGAGTGGGAAGTCTCAGTACCTG
 AGGCGAAAAGTATTAATCCACTTTAAGGATGAAATCATTGAGCGTAATATCATCTTGGAAAAAGTAC
 TCAGCGTGATCTTCGAGGAAGTTGTTTGTCTTGTCCAGAACTCCATTGGAAACACAACCCAGTCCGTC
 CAACTGAAAGAAAAGAGAGGAGTGGTCTCCTGTACATCCTGCTTGGCACCATCGGGACCCTGGTGGCCG
 TGCTGGCGGCGAGTCCCTCCTACAGGCACTGGATTGAAATAGTGTCTGTACCCGACCTACCAGAG
 CAAGGATCAGACGCTTGGGGATAAAAAGGATTTGATGCTTTCGATCCTATGCAAAAATGGAGCTTTTT
 CCAAGTGAGGCCACTTCTCTGAGTGAAGAACAATTGGCCCTGAGCCTATTTCTGATGTTTTAGAAA
 ACAAATATGGATATAGCCTGTGTTTGTGTTGAAAGAGATGTGGCTCCAGGAGGAGTGTATGCAGAAGACAT
 TGTGAGCATTATTAAGAGAAGCAGAAGAGGAATTTTATCTTGTAGCCCCAACTATGTCAATGGACCCAGT
 ATCTTTGAACTACAAGCAGCAGTGAATCTTGCCTTGGATGATCAAACACTGAAACTATTTTAATTAAGT
 TCTGTTACTTCCAAGAGCCAGAGTCTCTACCTCATCTCGTAAAAAAGCTCTCAGGGTTTGGCCACAGT
 TACTTGGAGAGGCTTAAAATCAGTTCCTCCAATTCTAGGTTCTGGGCCAAAATGCGCTACCACATGCCT
 GTGAAAAACTCTCAGGGATTCAGTGAACAGCTCAGAATTACCTCTAGGATTTTTCAGTGGAAAGGAC
 TCAGTAGAACAGAAACCACTGGGAGGAGCTCCAGCCTAAGGAATGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG221477 representing NM_003853
 Red=Cloning site Green=Tags(s)

MLCLGWIFLWLVAGERIKGFNISGCSTKLLWYSTRSEEEFVLFCDLPEPQKSHFCHNRNLSPKQVPEH
 LPFMGSNDLSDVQWYQQPSNGDPLEDIRKSYPHIIQDKCTLHFLTPGVNNSGSYICRPKMIKSPYDVACC
 VKMILEVQPQTNASCEYSASHKQDLLLSTGSI SCPSL SCQSDAQSPAVTWYKNGKLLSVERSNRIVVDE
 VYDYHQGTYYCDYTQSDTVSSWTVRAVVQVRTIVGDTKLPDILDPVEDTLEVELGKPLTISCKARFGFE
 RVFNPVIKWIYIKDSLEWVSVPEAKSIKSTLKDEIIERNIILEKVTQRDLRRKFVCFVQNSIGNTQSV
 QLKEKRGVLLYILLGTIGTLVAVLAASALLYRHWIEIVLLYRQYQSKDQTLGDKDFDAFVSYAKWSSF
 PSEATSSLSEEHLALSLFPDVLNENKYGYSLLERDVAPGGVYAEDIVSIIKRSRRGIFILSPNYVNGPS
 IFELQAAVNLALDDQTLKILIKFCYFQEPESLPHLVKKALRVLPTVTWRGLKSVPPNSRFWAKMRHYHMP
 VKNSQGF TWNQLRITSRIFQWKGLSRTE TGRSSQPKWE

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003853

ORF Size: 1797 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_003853.3](#)

RefSeq Size: 2668 bp

RefSeq ORF: 1800 bp

Locus ID: 8807

UniProt ID: [O95256](#)

Cytogenetics: 2q12.1

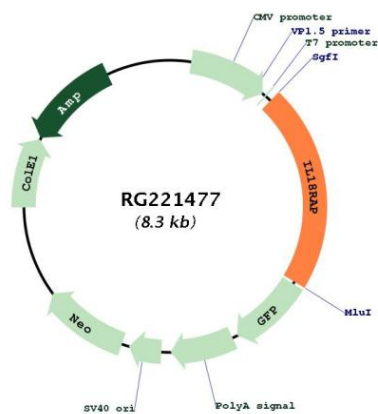
Domains: TIR, IG

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]

Product images:



Circular map for RG221477