

Product datasheet for **MC219701**

Il18rap (NM_010553) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il18rap (NM_010553) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il18rap
Synonyms:	AcPL; IL-1RAcPL; IL-18R-beta; IL-18RAcP; IL-18Rbeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219701 representing NM_010553
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTGTTGGGCTGGGTGTTCTTTGGTTTGTTCAGGAGAGAAGACCACAGGATTTAATCATTGAG
 CTTGTGCCACCAAAAACTTCTGTGGACATATTCTGCAAGGGGTGCAGAGAATTTTGTCTATTTTGTGA
 CTTACAAGAGCTTCAGGAGCAAAAAATTCTCCCATGCAAGTCAACTGTACCAACACAAAAGTCCTGCTCAC
 AAACCTTGCAGTGGCAGTCAGAAGGACCTATCTGATGTCCAGTGGTACATGCAACCTCGGAGTGGAAAGTC
 CACTAGAGGAGATCAGTAGAAACTCTCCCATATGCAGAGTGAAGGCATGCTGCATATATTGGCCCCACA
 GACGAACAGCATTGGTCATATATTTGTAGACCCAGAATTAGGAGCCCCAGGATATGGCCTGTTGTATC
 AAGACAGTCTTAGAAGTTAAGCCTCAGAAAACGTGTCTGTGGGAACACAGCACAAGATGAACAAGTCC
 TACTTCTTGGCAGTACTGGCTCCATTCTTGTCCAGTCTCAGCTGCCAAAGTGTGTACAGAGTCCAGA
 GATGACCTGGTACAAGGATGGAAGACTACTTCTGAGCACAAGAAAAATCCAATTGAGATGGCAGATATT
 TATGTTTTTAATCAAGGCTTGTATGTATGTGATTACACACAGTCAGATAATGTGAGTTCCCTGGACAGTCC
 GAGCTGTGGTTAAAGTGAGAACCATTGGTAAGGACATCAATGTGAAGCCGAAATTCGGATCCCATTAC
 AGATACACTGGACGTAGAGCTTGGAAGCCTTTAACTCTCCCCTGCAGAGTACAGTTTGGCTTCCAAAGA
 CTTTCAAAGCCTGTGATAAAGTGGTATGTCAAAGAATCTACACAGGAGTGGGAAATGTCAGTATTTGAGG
 AGAAAAGAATTCATCCACTTCAAGAATGAAGTCATTGAACGTACCATCTTCTTGGAGAGAAGTTACCCA
 GAGAGATCTCAGCAGAAAGTTTGTGTTTGGCTTGGCCAGAACTCCATTGGGAACACAACACGGACCATACGG
 CTGAGGAAGAAGGAAGAGGTGGTGTGTTGATACATCCTTCTCGGCACGGCCTTGATGCTGGTGGCGTTC
 TGGTGGCAGCTGCTTTCCTCTACTGGTACTGGATTGAAGTTGTCCTGCTGTGCAACCTACAAGAACA
 AGATGAGACTCTGGGGGATAAGAAGGAATTCGATGCATTTGTATCCTACTCGAATTGGAGCTCTCCTGAG
 ACTGACGCCGTGGGATCTCTGAGTGAGGAACACCTGGCTCTGAATCTTTCCCGAAGTGTAGAAGACA
 CCTATGGGTACAGATTGTGTTTGGCTTGACCCGAGATGTGACCCAGGAGGAGTGTATGCAGATGACATTGT
 GAGCATCATTAAAGAAAAGCCGAAGAGGAATATTTATCCTGAGTCCAGCTACCTCAATGGACCCCGTGTCT
 TTTGAGCTACAAGCAGCAGTGAATCTTGCCTTGGTTGATCAGACACTGAAGTTGATTTTAATTAAGTTCT
 GTTCTTCCAAGAGCCAGAATCTTCTTACCTTGTCAAAAAGGCTCTGCGGGTCTCCCACAGTCAC
 ATGGAAAGGCTTGAAGTCGGTCCACGCCAGTCCAGTCTGGACCCAAATTCGTTACCACATGCCTGTG
 AAGAACTCCAACAGGTTTATGTTCAACGGGCTCAGAATTTTCTGAAAGGCTTTTCCCCTGAAAAGGACC
 TAGTGACACAGAAACCCCTGGAAGGAATGCCAAGTCTGGGAATGACCACGGAGCTCAGAACCTCCTTCT
 CTACAGTGACCAGAAGAGGTG**CGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010553
Insert Size: 1845 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_010553.4](#), [NP_034683.1](#)

RefSeq Size: 4889 bp

RefSeq ORF: 1845 bp

Locus ID: 16174

UniProt ID: [Q9Z2B1](#)

Cytogenetics: 1 B

Gene Summary: Interleukin-18 (or interferon-gamma inducing factor) is a proinflammatory cytokine that induces cell-mediated immunity following microbial infection. This gene encodes a member of the interleukin-1 receptor family. The encoded protein is an accessory subunit of the receptor for interleukin-18 and mediates signaling through this cytokine. Mice lacking this gene exhibit a defective cell-mediated immune response. [provided by RefSeq, Jan 2014]