

## Product datasheet for **MG220585**

### **Il18rap (NM\_010553) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Il18rap (NM_010553) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Il18rap
Synonyms:	AcPL; IL-1RAcPL; IL-18R-beta; IL-18RAcP; IL-18Rbeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG220585 representing NM\_010553  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTCTGTTGGGCTGGGTGTTTCTTTGGTTTGTTCAGGAGAGAAGACCACAGGATTTAATCATTTCAG  
 CTTGTGCCACCAAAAACTTCTGTGGACATATTCTGCAAGGGGTGCAGAGAATTTTGCCTATTTTGTGA  
 CTTACAAGAGCTTCAGGAGCAAAAAATTCTCCCATGCAAGTCAACTGTACCAACACAAAAGTCCTGCTCAC  
 AAACCTTGCAGTGGCAGTCAGAAGGACCTATCTGATGTCCAGTGGTACATGCAACCTCGGAGTGGAAAGTC  
 CACTAGAGGAGATCAGTAGAAACTCTCCCATATGCAGAGTGAAGGCATGCTGCATATATTGGCCCCACA  
 GACGAACAGCATTGGTCATATATTTGTAGACCCAGAATTAGGAGCCCCAGGATATGGCCTGTTGTATC  
 AAGACAGTCTTAGAAGTTAAGCCTCAGAGAAACGTGTCTGTGGGAACACAGCACAAGATGAACAAGTCC  
 TACTTCTTGGCAGTACTGGCTCCATTCTTGTCCAGTCTCAGCTGCCAAAGTATGATACAGAGTCCAGA  
 GATGACCTGGTACAAGGATGGAAGACTACTTCTGAGCACAAGAAAAATCCAATTGAGATGCCAGATATT  
 TATGTTTTTAATCAAGGCTTGTATGTATGTGATTACACACAGTCAGATAATGTGAGTTTCTGGACAGTCC  
 GAGCTGTGGTTAAAGTGAGAACCATTGGTAAGGACATCAATGTGAAGCCGGAATTTCTGGATCCCATTAC  
 AGATACACTGGACGTAGAGCTTGGAAAGCCTTTAACTCTCCCCTGCAGAGTACAGTTTGGCTTCCAAAGA  
 CTTTCAAAGCCTGTGATAAAGTGGTATGTCAAAGAATCTACACAGGAGTGGGAAATGTCAGTATTTGAGG  
 AGAAAAGAATTCATCCACTTCAAGAATGAAGTCATTGAACGTACCATCTTCTTGGAGAGAAGTTACCCA  
 GAGAGATCTCAGCAGAAAGTTTGTGTTTGGCCAGAACTCCATTGGGAACACAACACGGACCATACGG  
 CTGAGGAAGAAGGAGAGGTGGTGTGTTGATACATCCTTCTCGGCACGGCCTTGTGCTGGTGGGCTTC  
 TGGTGGCAGCTGCTTCCCTACTGGTACTGGATTGAAGTTGCTCTGCTGCGAACCTACAAGAACA  
 AGATGAGACTCTGGGGGATAAAGAAGGAATTCGATGCATTTGTATCCTACTCGAATTGGAGCTCTCCTGAG  
 ACTGACGCCGTGGGATCTCTGAGTGAGGAACACCTGGCTCTGAATCTTTCCCGAAGTGTAGAAGACA  
 CCTATGGGTACAGATTGTGTTTGGCTTGACCCGAGATGTGACCCAGGAGGAGTGTATGCAGATGACATTGT  
 GAGCATCATTAAAGAAAGCCGAAGAGGAATATTTATCCTGAGTCCAGCTACCTCAATGGACCCCGTGTCT  
 TTTGAGCTACAAGCAGCAGTGAATCTTGCCTTGGTTGATCAGACACTGAAGTTGATTTTAATTAAGTTCT  
 GTTCTTCCAAGGCCAGAATCTTCTTACCTTGTCAAAAAGGCTCTGCGGGTCTCCCACAGTCAC  
 ATGAAAAGGCTTGAAGTCGGTCCACGCCAGTCCAGGTTCTGGACCCAAATTCGTTACCACATGCCTGTG  
 AAGAACTCCAACAGGTTTATGTTCAACGGGCTCAGAATTTCTGAAGGGCTTTTCCCCTGAAAAGGACC  
 TAGTGACACAGAAACCCCTGGAAGGAATGCCAAGTCTGGAATGACCACGGAGCTCAGAACCTCCTTCT  
 CTACAGTGACCAGAAGAGGTGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG220585 representing NM\_010553  
 Red=Cloning site Green=Tags(s)

MLCLGWVFLWFVAGEKTTGFNHSACATKLLWTSARGAENFVLFCDLQELQEKF SHASQLSPTQSPA  
 KPCSGSQKDLSDVQWYMQPRSGSPLEEISRNSPHMQSEGMLHILAPQNSIWSYICRPRIRSPQDMACCI  
 KTVLEVQPQRNVSCGNTAQDEQVLLLGSTGSIHCPSLSCQSDVQSPEMTWYKDGRLLEPHKKNPIEMADI  
 YVFNQGLYVCDYTQSDNVSSWTVRAVVKVRTIGKDINVKPEILDPIITDLDVELGKPLTLPCRQVGFQR  
 LSKPVIKVVYKESTQEWEMSVFEKRIQSTFKNEVIERTIFLREVTQRDL SRKFVCFQAQNSIGNTRTRIR  
 LRKKEEVVYVYILLGTALMLVGVLVAAAFLYWYWIEVLLCRTYKNKDETLGDKKEFDVFSYSNWSPE  
 TDAVGSLSSEHLALNLFPEVLEDYGYRLCLLDRDVTGGVYADDIVSIIKKSRRGIFILSPSYLNGPRV  
 FELQAAYNLALVDQTLKILIKFCSFQEPESLPYLKALKARVLPVTVWKGLKSVHASSRFWTQIRYHMPV  
 KNSNRMFNGLRIFLKGFSPEKDLVTQKPLEGMPKSGNDHGAQNLLLYSQDKRC

**TRTRPLE** - GFP Tag - V

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1836\\_a02.zip](https://cdn.origene.com/chromatograms/ja1836_a02.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**ACCN:** NM\_010553

**ORF Size:** 1842 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](mailto: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](#)

**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\\_010553.4](#), [NP\\_034683.1](#)

**RefSeq Size:** 2496 bp

**RefSeq ORF:** 1845 bp

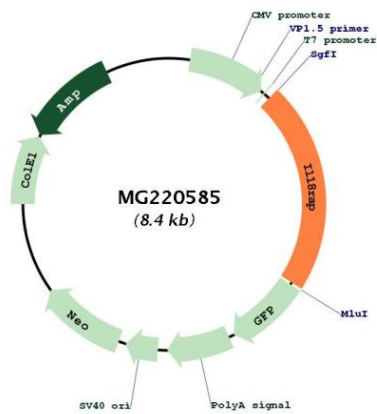
**Locus ID:** 16174

**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]

### Product images:



Circular map for MG220585