

## Product datasheet for **MG208007**

### **Il17rb (NM\_019583) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Il17rb (NM_019583) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Il17rb
Synonyms:	Evi27; IL-17ER; IL-17Rh1; Il17br; IL17RH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208007 representing NM\_019583  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTGCTAGTGTGCTGATCTTGGCTGCATCGTGCAGGAGCGCCCTGCCTCGAGAGCCGACTATTCACT  
 GTGGCTCTGAGACAGGGCCATCTCCAGAGTGGATGGTCCAACACACACTCACTCCAGGAGACTTGAGGGA  
 CCTCCAAGTGAACTCGTCAAGACAAGTGTGGCAGCAGAGGAGTTTTCAATTTTATGAACATAAGCTGG  
 ATACTCCGGGCAGACGCCAGCATCCGCTTGTGAGGCCACCAAGATCTGCGTGAGTGGCAAAAACAACA  
 TGAATTCATACAGCTGTGTGAGGTGCAACTACACAGAGGCCTTCAAAGCCAGACCAGACCTTCCGGCGG  
 CAAATGGACATTCTCTATGTAGGCTTCCCTGTGGAGCTGAGCACTCTCTATCTCATCAGCGCCATAAC  
 ATCCCAATGCTAATATGAATGAGGACAGCCCTTCTTTGTCTGTGAACCTCACCTCGCCAGGCTGCCTAA  
 ACCACGTAATGAAATATAAAAAGCAGTGCAGTGCAGGCGGGAAGCCTGTGGGACCCAGACATCACTGCTTG  
 TAAAAAGAACGAGAAGATGGTTGAAGTGAATTTACAACCAATCCCCTTGAAACAGATACACGATTCTC  
 ATCAACGGGACACGACATTGGGGTTTTCTAGAGTGTGGAGAATAAACTGATGAGGACGCTGTAGCCA  
 TCCCGGTGACTGAGGAGAGTGAAGTGCAGTGGTTCAGCTGACCCCATATTTACATACCTGCGGCAATGA  
 CTGCATCCGACGCGAAGGGACAGTTGTGCTTTGCTCAGAGACAAGTGTCCCATCCCTCCAGATGACAAC  
 AGACGCATGCTGGGAGGCTGGCTGCCTCTTCTTGGTGTGCTGGTGGCTGTGTGGGTGCTGGCAGCTG  
 GGATCTACCTAATTGGAGGCAAGGAAGGAGCAGAAGACGTCTTTTCTATTTCCACCATGCTCCTGCC  
 CCTCATTAAAGTCTGGTGGTTATCCTTCTGAGATATGTTTCCATCACACCGTCTGTGCTTCACTGAC  
 TTTCTTCAAACACTACTGCAGAAGTGAAGTCACTTGAATAATGCGAGAAAAGAAAATCGCCGAGATGG  
 GGCCGGTACAGTGGCTGACCACTCAGAAGCAAGCGGCAGATAAAGTGGTCTTCTTCTCCAGTACGCT  
 CCGACCCCTTTGTGACAGTGCCTGTGGCCACAATGAGGGCAGCGCCAGGAGAACTCTCAGGATCTGTTT  
 CCTCTTGCTTTAACCTCTTTGTAGTATTTAGCAGCCAGACGCATCTGCACAATACTGGTGGTCT  
 ATCTTGGGGGAGCAGACCTCAAAGGCGACTATAATGCCCTGAGTGTCTGCCCCCAATATCATCTCATGAA  
 GGACGCCACAGCTTTCCACACAGAACTTCAAGGCTACGCAGAGCATGTCAGTGAAGAAACGCTCACAA  
 GCCTGCCATGATAGCTGTTCACCCTTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208007 representing NM\_019583  
 Red=Cloning site Green=Tags(s)

MLLVLLILAASCRSALPREPTIQCGSETGPSPEWMVQHTLTPGDLRDLQVELVKTSVAEEFSLMNI  
 ILRADASIRLLKATKICVSGKNNMNSYCVRCNYTEAFQSQTRPSGGKWF SYVGFVPELSTLYLISA  
 HNPANMNEDSPSLSVNFTSPGCLNHVMKYKKQCTEAGSLWDPDITACKKNEKMVEVNF TTNPLGNRY  
 TIL IQRD TTLGFSRVLENKLMRTSVAIPVTEESEGAVVQLTPYLHTCGND CIRREGTVVLCSETSA  
 PI PPDDN RRMLGGWLPFLVLLVAVVWLAAGIYL TWRQGRSTKTSFPISTMLLPLIKVLVVPSEI  
 CFHHTVCRFTD FLQNYCRSEVILEKWQKKIAEMGPVQWLTTQKQAADKVVFLPSDVPTLCDSAC  
 GHNEGSARENSQDLF PLAFNLFCSDFSSQTHLHKYLVVYLGADLKG DYNALSVCPQYHLMKDATA  
 AFHTELLKATQSMSVKKRSQ ACHDSCSPL

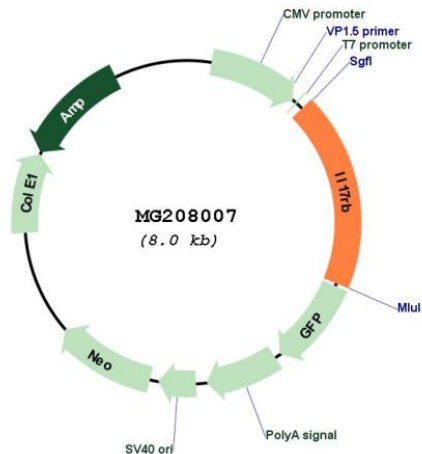
**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



Plasmid Map:



ACCN: NM\_019583

ORF Size: 1497 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\\_019583.3](#)

**RefSeq Size:** 2062 bp

**RefSeq ORF:** 1500 bp

**Locus ID:** 50905

**UniProt ID:** [Q9JIP3](#)

**Cytogenetics:** 14 18.39 cM

**Gene Summary:** Receptor for the proinflammatory cytokines IL17B and IL17E. May play a role in controlling the growth and/or differentiation of hematopoietic cells.[UniProtKB/Swiss-Prot Function]