

## Product datasheet for **RC201646**

### **IL17B Receptor (IL17RB) (NM\_018725) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                        |
| Product Name:             | IL17B Receptor (IL17RB) (NM_018725) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                                    |
| Symbol:                   | IL17B Receptor                                             |
| Synonyms:                 | CRL4; EVI27; IL17BR; IL17RH1                               |
| Mammalian Cell Selection: | Neomycin                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                       |



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**ORF Nucleotide Sequence:**

>RC201646 representing NM\_018725  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGCTCGTGTGCTAAGCCTGGCCGCTGTGCAGGAGCGCCGTACCCGAGAGCCGACCGTTCAAT  
 GTGGCTCTGAAACTGGGCCATCTCCAGAGTGGATGCTACAACATGATCTAATCCCGGAGACTTGAGGGA  
 CCTCCGAGTAGAACCTGTTACAAGTGTGCAACAGGGGACTATTCAATTTTGTATGAATGTAAGCTGG  
 GACTCCGGGAGATGCCAGCATCCGCTTGTGAAGGCCACCAAGATTTGTGTACGGGCAAAAGCAACT  
 TCCAGTCTACAGCTGTGTGAGGTGCAATTACACAGAGGCCTTCCAGACTCAGACCAGACCTCTGGTGG  
 TAAATGGACATTTTCTACATCGGCTTCCCTGTAGAGCTGAACACAGTCTATTTTCATTGGGGCCATAAT  
 ATTCCTAATGCAATATGAATGAAGATGGCCCTTCCATGTCTGTGAATTTACCTCACCAGGCTGCCTAG  
 ACCACATAATGAAATATAAAAAAAGTGTGTCAAGGCCGGAAGCCTGTGGGATCCGAACATCACTGCTTG  
 TAAGAAGATGAGGAGACAGTAGAAGTGAACCTTCAACCACTCCCTGGGAAACAGATACATGGCTCTT  
 ATCCAACACAGCACTATCATCGGGTTTTCTCAGGTGTTTGAGCCACACCAGAAGAAACAAACGCGAGCTT  
 CAGTGGTGATTCCAGTGACTGGGGATAGTGAAGGTGCTACGGTGCAGTGACTCCATATTTTCTACTTG  
 TGGCAGCGACTGCATCCGACATAAAGGAACAGTTGTGCTCTGCCCAAAACAGGCGTCCCTTTCCCTCTG  
 GATAACAACAAAAGCAAGCCGGGAGGCTGGCTGCCTCTCTCTGCTGTCTGTGTTGGCCACATGGG  
 TGCTGGTGGCAGGGATCTATCTAATGTGGAGGCACGAAAGGATCAAGAAGACTTCCTTTTCTACCACCAC  
 ACTACTGCCCCCATTAAAGTTCTTGTGGTTTACCCATCTGAAATATGTTTCCATCACACAATTTGTTAC  
 TTCCTGAATTTCTTCAAAACATTGCAGAAGTGAAGTGCATCCTTGAAAAGTGGCAGAAAAAGAAATAG  
 CAGAGATGGGTCCAGTGCAGTGGCTTGCCTCAAAAGAAGGCAGCAGACAAAGTCGTCTTCTTCTTTC  
 CAATGACGTCAACAGTGTGTGCGATGGTACCTGTGGCAAGAGCGAGGGCAGTCCAGTGAGAACTCTCAA  
 GACCTCTTCCCCCTTGCCTTTAACCTTTTCTGCAGTGATCTAAGAAGCCAGATTCTGTGACAAATACG  
 TGGTGGTCTACTTTAGAGAGATTGATACAAAAGACGATTACAATGCTCTCAGTGTCTGCCCAAGTACCA  
 CCTCATGAAGGATGCCACTGCTTCTGTGCAGAACTTCTCCATGTCAAGCAGCAGGTGTCAGCAGGAAAA  
 AGATCACAAAGCTGCCACGATGGCTGCTGCTCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC201646 representing NM\_018725  
 Red=Cloning site Green=Tags(s)

MSLVLLSLAALCRSAVPREPTVQCGSETGPSPEWMLQHDLPGLDLRVEPVTTSVATGDYSILMNVSW  
 VLRADASIRLLKATKICVTGKSNFQSYSCVRCNYTEAFQTQTRPSGGKWTFSYIGFPVELNTVYFIGAHN  
 IPNANMNEDGPSMSVNFTSPGCLDHIMKYKKKCVKAGSLWDPNITACKKNEETVEVNFTTTPGLNRYMAL  
 IQHSTIIGFSQVFEPHQKQTRASVVIPVTGDSEGATVQLTPYFPTCGSDCIRHKGTVVLCPTGVPFPL  
 DNNKSKPGGWLPLLLLSLLVATWVLVAGIYLMWRHERIKKTSFSTTTLLPPIKVLVVYPSEICFHHTICY  
 FTEFLQNHCRSEVILEKWQKKIAEMGPVQWLATQKKAADKVVFLSNDVNSVCDGTGKSEGSPSENSQ  
 DLFPLAFNLFCSDLRSQIHLHKYVVVYFREIDTKDDYNALSVCPKYHLMKDATAFCAELLHVKKQVSAGK  
 RSQACHDGCCSL

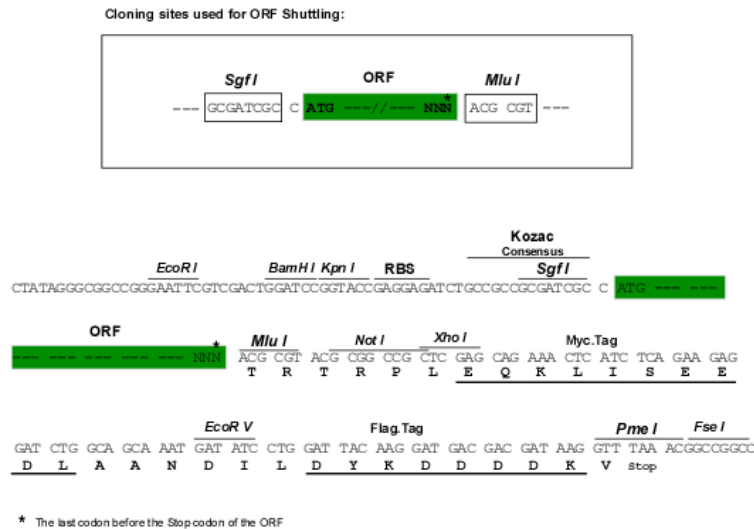
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mg2453\\_e05.zip](https://cdn.origene.com/chromatograms/mg2453_e05.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_018725

**ORF Size:** 1506 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.

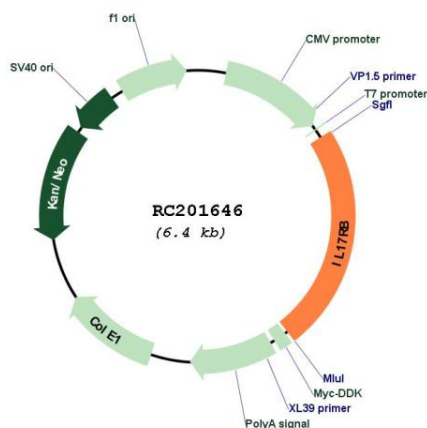
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**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.

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Note:</b>             | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq:</b>           | <a href="#">NM_018725.4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>      | 2072 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq ORF:</b>       | 1509 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Locus ID:</b>         | 55540                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID:</b>       | <a href="#">Q9NRM6</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cytogenetics:</b>     | 3p21.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Families:</b> | Druggable Genome, Secreted Protein, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Pathways:</b> | Cytokine-cytokine receptor interaction                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MW:</b>               | 54.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Summary:</b>     | The protein encoded by this gene is a cytokine receptor. This receptor specifically binds to IL17B and IL17E, but does not bind to IL17 and IL17C. This receptor has been shown to mediate the activation of NF-kappaB and the production of IL8 induced by IL17E. The expression of the rat counterpart of this gene was found to be significantly up-regulated during intestinal inflammation, which suggested the immunoregulatory activity of this receptor. [provided by RefSeq, Jul 2008] |

## Product images:



Circular map for RC201646