

## Product datasheet for **RG231300**

### **IL17RE (NM\_001193380) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IL17RE (NM_001193380) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL17RE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG231300 representing NM\_001193380  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGAGCTCCAGACTGGCAGCCCTGCTCCTGCCTCTCCTCCTCATAGTCATCGACCTCTCTGACTCTG  
 CTGGGATTGGCTTTCGCCACCTGCCCACTGGAACACCCGCTGTCTCTGGCCTCCACACGGATGACAG  
 TTTCAGTGAAGTTCTGCCTATATCCCTTGCCGACCTGGTGGGCCCTTCTCCACAAAGCCTTGGTGT  
 GTGCGAGTCTGGCACTGTTCCCGCTGTTGTGCCAGCATCTGCTGTGAGGTGGCTCAGGTCTTCAACGGG  
 GCCTCTTCCACCTCCTGGTGCAGAAATCCAAAAAGTCTTCCACATTCAAGTTCTATAGGAGACACAAGAT  
 GCCAGCACCTGCTCAGAGGAAGCTGCTGCCTCGTCGTACCTGTCTGAGAAGAGCCATCACATTTCCATC  
 CCCTCCCAGACATCTCCACAAGGGACTTCGCTCTAAAAGGACCCAACCTTCGGATCCAGAGACATGGG  
 AAAGTCTTCCAGATTGGACTCACAAAGGCATGGAGGACCCGAGTTCCTTTGATTGCTGCCTGAGGC  
 CCGGGCTATTCGGGTGACCATATCTTCAGGCCCTGAGGTGAGCGTGCCTTTGTACCAGTGGGCACTG  
 GAGTGTGAAGAGCTGAGCAGTCCCTATGATGTCCAGAAAATTGTGTCTGGGGCCACACTGTAGAGCTGC  
 CTTATGAATTCCTTCTGCCCTGTCTGTGCATAGAGGCATCCTACCTGCAAGAGGACACTGTGAGGCGCAA  
 AAAATGTCCCTTCCAGAGCTGGCCAGAAGCCTATGGCTCGGACTTCTGGAAGTCAGTGCACCTTCACTGAC  
 TACAGCCAGCACACTCAGATGGTCATGGCCCTGACACTCCGCTGCCCACTGAAGCTGGAAGCTGCCCTCT  
 GCCAGAGGCACGACTGGCATAACCTTTGCAAAGACCTCCCGAATGCCACAGCTCGAGAGTCAGATGGGTG  
 GTATGTTTTGGAGAAGGTGGACCTGCACCCCACTGCTTCAAGTTCTTTTTGAAAACAGCAGCCAT  
 GTTGAATGCCCCACAGACTGGGTCTCTCACATCCTGGAATGTAAGCATGGATACCCAAGCCCAGCAGC  
 TGATTTCACTTCTCCTCAAGAATGCATGCCACCTTCAGTGTGCTGGAGCCTCCAGGCTTGGGGCA  
 GGACACTTTGGTGCCCCCGGTGTACACTGTCAGCCAGGCCGGGGCTCAAGCCCAGTGTCACTAGACCTC  
 ATCATTCCCTTCTGAGGCCAGGGTGTGTGCTCCTGCTCCATGCTTCACTCAGCTCCCGGGAGGAGAAG  
 ATGCTGGCTCATAGGGGTGGGGGCTCTGTGCCCTCAGGTGTGGCGGTGAGATGTCAGTTTGCCTGGA  
 AGCACCTTGTGTCCGGATGTCTTTACAGACACCTGGGGCTTTGATCCTGGCACTGTGGCCCTCT  
 CACCCTACTGGGTGTTGTTCTGGCCCTCACCTGCCGGCGCCACAGTCAGGCCGGGGCCAGCGCGGCCA  
 GTGCTCCTCTGCACGGCGGACTCGGAGGCGCAGCGCGCCTGGTGGGAGCGCTGGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG231300 representing NM\_001193380  
 Red=Cloning site Green=Tags(s)

MGSSRLAALLPLLLIVIDLSDSAGIGFRHLPHWNTRCPLASHTDSDSFTGSSAYIPCRTWWALFSTKPWC  
 VRVWHCSRCLCQHLLSGGSLQRGLFHLLVQSKKSSTFKFYRRHKMPAPAQRKLLPRRHLSEKSHHISI  
 PSPDISHKGLRSKRTQPSDPETWESLPRLDSQRHGGPEFSFDLLPEARAIRVTISSGPEVSVRLCHQWAL  
 ECEELSSPYDVQKIVSGGHTVELPYEFLLPCLCIEASYLQEDTVRRKKCPFQSWPEAYGSDFWKSVHFTD  
 YSQHTQVMALTLRCPKLEAALCQRHDWHTLCKDLPNATARES DGWYVLEKVDLHPQLCFKFSFGNSSH  
 VECPHQTGSLTSWNVSMDTQAQQLILHFSSRMHATFSAAWSLPGLGQDTLVPPVYTVSQARGSSPVSLDL  
 IIPFLRPGCCVLLHASLSSPGGEDAWLIGVGGVSPSGVAVRCPVCLEAPLVSGCLLQTPGALDPGTAGPP  
 HPTGCCSGPHLPAPTVPGPSAASAPPARGGLGGAAPGGSAG

**TRTRPLE** - GFP Tag - V

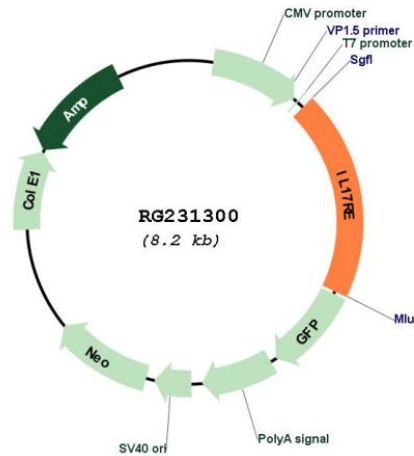
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001193380

**ORF Size:** 1599 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001193380.2</a>
<b>RefSeq Size:</b>	2790 bp
<b>RefSeq ORF:</b>	1602 bp
<b>Locus ID:</b>	132014
<b>UniProt ID:</b>	<a href="#">Q8NFR9</a>
<b>Cytogenetics:</b>	3p25.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	This gene encodes a transmembrane protein that functions as the receptor for interleukin-17C. The encoded protein signals to downstream components of the mitogen activated protein kinase (MAPK) pathway. Activity of this protein is important in the immune response to bacterial pathogens. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Sep 2013]