

Product datasheet for **RG212282**

IL17RE (NM_153480) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL17RE (NM_153480) 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:

>RG212282 representing NM_153480
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGAGCTCCAGACTGGCAGCCCTGCTCCTGCCTCTCCTCCTCATAGTCATCGACCTCTCTGACTCTG
CTGGGATTGGCTTTCGCCACCTGCCCACTGGAACACCCGCTGTCTCTGGCCTCCACACGGATGACAG
TTTCACTGGAAGTTCTGCCTATATCCCTTGCCGCACCTGGTGGGCCCTTCTCCACAAAGCCTTGGTGT
GTGCGAGTCTGGCACTGTTCCCGCTGTTGTGCCAGCATCTGCTGTGAGGTGGCTCAGGTCTTCAACGGG
GCCTCTTCCACCTCCTGGTGCAGAAATCCAAAAAGTCTTCCACATTCAAGTTCTATAGGAGACACAAGAT
GCCAGCACCTGCTCAGAGGAAGCTGCTGCCTCGTCGTACCTGTCTGAGAAGAGCCATCACATTTCCATC
CCCTCCCAGACATCTCCACAAGGGACTTCGCTCTAAAAGGACCCAACCTTCGGATCCAGAGACATGGG
AAAGTCTTCCAGATTGGACTCACAAAGGCATGGAGGACCCGAGTTCTCCTTTGATTGCTGCCTGAGGC
CCGGGCTATTCGGGTGACCATATCTTCAGGCCCTGAGGTGAGCGTGCCTTTGTACCAGTGGGCACTG
GAGTGTGAAGAGCTGAGCAGTCCCTATGATGTCCAGAAAATTGTGTCTGGGGCCCACTGTAGAGCTGC
CTTATGAATTCCTTCTGCCCTGTCTGTGCATAGAGGCATCCTACCTGCAAGAGGACACTGTGAGGCGCAA
AAAATGTCCCTTCCAGAGCTGGCCAGAAGCCTATGGCTCGGACTTCTGGAAGTCAGTGCACCTTCACTGAC
TACAGCCAGCACACTCAGATGGTCATGGCCCTGACACTCCGCTGCCCACTGAAGCTGGAAGCTGCCCTCT
GCCAGAGGCACGACTGGCATACCCTTTGCCAAGACCTCCCGAATGCCACAGCTCGAGAGTCAGATGGGTG
GTATGTTTTGGAGAAGGTGGACCTGCACCCCGCTGCTTCAAGTTCTTTTTGGAACAGCAGCCAT
GTTGAATGCCCCACCAGACTGGGTCTCTCACATCCTGGAATGTAAGCATGGATAACCAAGCCCAGCAGC
TGATTCCTCACTTCTCCTCAAGAATGCATGCCACCTTCAGTGTGCCTGGAGCCTCCAGGCTTGGGGCA
GGACACTTTGGTCCCCCGGTGTACACTGTCAGCCAGGCCGGGGCTCAAGCCCAGTGTCACTAGACCTC
ATCATTCCCTTCTGAGGCCAGGGTGTGTGCTGCTGGTGTGGCGGTGAGATGTCCAGTTTGCCTGGAAGC
ACCTCTTGTGTCCGGATGTCTTTACAGACACCTGGGGCTCTTGATCCTGGCACTGCTGGCCCTCTCAC
CCTACTGGGTGTTGTTCTGGCCCTCACCTGCCGGCGCCACAGTCAGGCCGGGGCCAGCGCGGCCAGTG
CTCCTCTGCACGCGGGGACTCGGAGGCGCAGCGGCCTGGTGGGAGCGCTGGCTGAAGTGTACGGG
CAGCGCTGGGCGGCGGGCGGACGTGATCGTGGACCTGTGGGAGGGAGGCACGTGGCGCGCTGGGCC
GCTGCCGTGGCTCTGGGCGCGCGGACGCGCTAGCGGGGAGCAGGGCACTGTGCTGCTGTGGAGC
GGCGCCGACCTTCGCCCGGTGAGCGGCCCGACCCCGCGCCGCCCCCTGCTCGCCCTGTCCACGCTG
CCCCGCGCCCGTGTGCTGCTGCTGCTTACTTCACTGCGCTCTGCGCCAAGGGCGACATCCCCCGCGCT
GCGCGCCCTGCCGCGTACCGCCTGCTGCGCGACCTGCCGCTGCTGCTGGGGCGCTGGACGCGCGGCT
TTCGAGAGGCCACCAGCTGGGGCCGCTTGGGGCGCGGCAGGCAGGAGCCGCTAGAGCTGTGCA
GCCGGCTCGAACGAGAGGCCCGCCGACTTCAGACCTAGGT

ACGCGTACGCGGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212282 representing NM_153480
 Red=Cloning site Green=Tags(s)

MGSSRLAALLPLLLIVIDLSDSAGIGFRHLPHWNTRCPLASHTDSDFTGSSAYIPCRTWWALFSTKPWC
 VRVWHCSRCLCQHLLSGGSLQRGLFHLLVQSKKSSSTFKFYRRHKMPAPAQRKLLPRRHLSEKSHHISI
 PSPDISHKGLRSKRTQSPDPETWESLPRLDSPQRHGGPEFSFDLLPEARAIRVTISSGPEVSVRLCHQWAL
 ECEELSSPYDVQKIVSGGHTVELPYEFLLPCLCIEASYLQEDTVRRKKCPFQSWPEAYGSDFWKSVHFTD
 YSQHTQMVMALTLRCPLKLEAALCQRHDWHTLCKDLPNATAESDGWYVLEKVDLHPQLCFKFSFGNSSH
 VECPHQTGSLTSWNVSMDTQAQQLILHFSSRMHATFSAAWSLPGLGQDTLVPPVYTVSQARGSSPVSLDL
 IIPFLRPGCCVLVWRSDVQFAWKHLLCPDVSYRHLGLLILALLALLTLLGVVLALTCRRPQSGPGPARPV
 LLLHAADSEAQRRLVGALAE LLRAALGGGRDVIDLWEGRHVARVGPLPWLWAARTRVAREQGTVLLLWS
 GADLRPVSGPDPRAAPLLALLHAAPRPLLLLAYFSRLCAKGDIPPLRALPRYRLRLDLPRLLRALDARP
 FAEATSWGRLGARQRQSRLELCSRLEREAAARLADLG

TRTRPLE - GFP Tag - V

Restriction Sites:

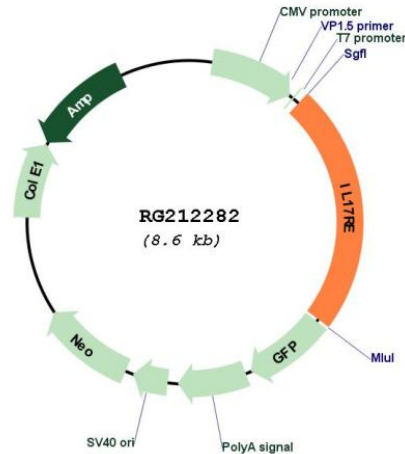
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_153480

ORF Size: 2001 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](#)

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:	<ol style="list-style-type: none">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_153480.2
RefSeq Size:	2717 bp
RefSeq ORF:	2004 bp
Locus ID:	132014
UniProt ID:	Q8NFR9
Cytogenetics:	3p25.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	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]