

Product datasheet for **RG233093**

IL17RC (NM_001203263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL17RC (NM_001203263) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL17RC
Synonyms:	CANDF9; IL17-RL; IL17RL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG233093 representing NM_001203263
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGTGCCCTGGTTCTTGTGTCCTTGGCACTGGGCCGAAGCCAGTGGTCCTTTCTCTGGAGAGGC
TTGTGGGGCCTCAGGACGCTACCCACTGCTCTCCGGGCCTCTCCTGCCGCTCTGGGACAGTGACATACT
CTGCCTGCCTGGGGACATCGTGCCTGCTCCGGGCCCGTCTGGCGCCTACGCACCTGCAGACAGAGCTG
GTGCTGAGGTGCCAGAAGGAGACCGACTGTGACCTCTGTCTGCGTGTGGCTGTCCACTTGGCCGTGCATG
GGCACTGGGAAGAGCCTGAAGATGAGGAAAAGTTGGAGGAGCAGCTGACTCAGGGGTGGAGGAGCCTAG
GAATGCCTCTCTCAGGCCAAGTCGTGCTCTCCTTCCAGGCCTACCCTACTGCCCGCTGCGTCTGCTG
GAGGTGCAAGTGCCTGCTGCCCTGTGTCAGTTTGGTCAGTCTGTGGGCTCTGTGGTATATGACTGCTTCG
AGGCTGCCCTAGGAGTGAGGTACGAATCTGGTCTATACTCAGCCAGGTACGAGAAGGAACTCAACCA
CACACAGCAGCTGCCTGACTGCAGGGGGCTCGAAGTCTGGAACAGCATCCCGAGCTGCTGGGCCCTGCC
TGCTCAACGTGTCAGCAGATGGTGACAACGTGCATCTGGTTCTGAATGTCTCTGAGGAGCAGCACTTCG
GCCTCTCCCTGTACTGGAATCAGGTCCAGGGCCCCCAAAACCCCGTGGCACAACCACTGACTGGACC
GCAGATCATTACCTTGAACCACACAGACCTGGTCCCTGCCTCTGTATTAGGTGTGGCCTCTGGAACCT
GACTCCGTTAGGACGAACATCTGCCCTTCCAGGGAGGACCCCGCGCACACCAGAACCTCTGGCAAGCCG
CCCAGCTGCGACTGCTGACCCTGCAGAGCTGGCTGCTGGACGCACCGTCTGCTGCCCGAGAAGCGGC
ACTGTGCTGGCGGGCTCCGGTGGGGACCCCTGCCAGCCACTGGTCCCACCGCTTTCCTGGGAGAAGCTC
ACTGTGGACAAGTTCGAGTTCCTATGCTGAAAGGCCACCCTAACCTCTGTGTTTCAAGTGAACAGCT
CGGAGAAGTGCAGCTGCAGGAGTGTCTTGGGCTGACTCCCTGGGGCCTCTCAAAGACGATGTGCTACT
GTTGGAGACACGAGGCCCCAGGACAACAGATCCCTCTGTGCCTTGAACCCAGTGGCTGTACTTACTA
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GTCTGCAGCTATGGGACGATGACTTGGGAGCGCTATGGGCCTGCCCATGGACAAATACATCCACAAGCG
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CCGTCGTGAAGTGAAGCGCAGGGGCCCGTGGCTTGGTTTACGCGCAGCGGCCAGACCCTGCAGGAG
GGCGGCGTGGTGGTCTTGTCTTCTCTCCGGTGGCGTGTGCAGCGAGTGGCTACAGGATGGGG
TGTCCGGGCCCGGGCGCACGGCCCGCACGACGCTTCCGCGCCTCGCTCAGCTGCGTGTGCCCGACTT
CTTGACAGGGCCGGGCGCCCGGCAGCTACGTGGGGCCTGCTTCGACAGGCTGCTCCACCCGGACGCCGTA
CCCGCCCTTTCCGCACCGTGGCCGCTTTCACACTGCCCTCCCAACTGCCAGACTTCTGGGGGCCCTGC
AGCAGCCTCGCGCCCGGCTTCCGGGCGGCTCCAAGAGAGAGCGGAGCAAGTGTCCCGGGCCCTTACGCC
AGCCCTGGATAGCTACTTCCATCCCCGGGGACTCCCGCGCCGGGACGCGGGGTGGGACCAGGCGCGGGA
CCTGGGGCGGGGACGGGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233093 representing NM_001203263
 Red=Cloning site Green=Tags(s)

MPVPWFLLSLALGRSPVVL SLERLVGPQDATHCSPGLSCRLWSDILCLPGDIVPAPGPVLAPTHLQTEL
 VLRCQKETDCDLCLRVAVHLAVHGHWEPEDEEKFGGAADSGVEEPRNASLQAQVLSFQAYPTARCVLL
 EVQVPAALVQFGQSVGSVYDCEAALGSEVRIWSYTQPRYEKELNHTQQLPDCRGLVWNSIPSCWALP
 WLNVSADGDNVHLVLNVSEEQHFGLSL YWNQVQGPPKPRWHKNTGPGQIITLNHTDLVPCLCIQVWPLEP
 DSVRTNICPFREDPRAHQNLWQAARLRLTLQSWLLDAPCSLPAEAALCWRAPGGDPCQPLVPPLSWENV
 TVDKVLEFPLLKGPVNLQVQNSSEKLQLQECLWADSLGPKDDVLLLETRGPQDNRSLSLCALEPSGCTSL
 PSKASTRAARLGEYLLQDLQSGQCLQLWDDDLGALWACPMKYIHKRWALVWLACLLFAAALSILLKK
 DHAKAAARGRAALLLSADDGFERLVGALASALCQLPLRVAVDLWSRREL SAQGPVAFWHAQRRTLQE
 GGVVLLFSPGAVALCSEWLQDGVSGGPHGPHDAFRASLSCVLPDFLQGRAPGSYVYGACFDRLHPDAV
 PALFRTVPVFTLPSQLPDFLQPRAPRSGRLQERAEQVSRALQPALDSYFHPPGTPAPGRGVGPGAG
 PGAGDGT

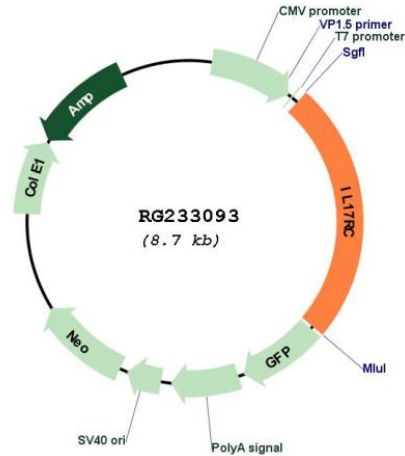
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001203263

ORF Size: 2121 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).

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_001203263.1](#), [NP_001190192.1](#)

RefSeq Size: 2413 bp

RefSeq ORF: 2124 bp

Locus ID: 84818

UniProt ID: [Q8NAC3](#)

Cytogenetics: 3p25.3-p24.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a single-pass type I membrane protein that shares similarity with the interleukin-17 receptor (IL-17RA). Unlike IL-17RA, which is predominantly expressed in hemopoietic cells, and binds with high affinity to only IL-17A, this protein is expressed in nonhemopoietic tissues, and binds both IL-17A and IL-17F with similar affinities. The proinflammatory cytokines, IL-17A and IL-17F, have been implicated in the progression of inflammatory and autoimmune diseases. Multiple alternatively spliced transcript variants encoding different isoforms have been detected for this gene, and it has been proposed that soluble, secreted proteins lacking transmembrane and intracellular domains may function as extracellular antagonists to cytokine signaling. [provided by RefSeq, Feb 2011]