

## Product datasheet for **RG233083**

### IL17RC (NM\_001203264) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL17RC (NM_001203264) 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)



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ORF Nucleotide  
Sequence:

>RG233083 representing NM\_001203264  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCTGTGCCCTGGTTCTTGCTGTCCTTGGCACTGGGCCGAAGCCAGTGGTCCTTTCTCTGGAGAGGC  
TTGTGGGGCCTCAGGACGCTACCCACTGCTCTCCGGGCCTCTCCTGCCGCCTCTGGGACAGTGACATACT  
CTGCCTGCCTGGGGACATCGTGCCTGCTCCGGGCCCGTCTGGCGCCTACGCACCTGCAGACAGAGCTG  
GTGCTGAGGTGCCAGAAGGAGACCGACTGTGACCTCTGTCTGCGTGTGGCTGTCCACTTGGCCGTGCATG  
GGCACTGGGAAGAGCCTGAAGATGAGGAAAAGTTGGAGGAGCAGCTGACTCAGGGGTGGAGGAGCCTAG  
GAATGCCTCTCTCAGGCCAAGTCGTGCTCTCCTTCCAGGCCTACCCTACTGCCCGCTGCGTCTGCTG  
GAGGTGCAAGTGCCTGCTGCCCTTGTGCAGTTTGGTCAGTCTGTGGGCTCTGTGGTATATGACTGCTTCG  
AGGCTGCCCTAGGAGTGAGGTACGAATCTGGTCTATACTCAGCCAGGTACGAGAAGGAACTCAACCA  
CACACAGCAGCTGCCTGACTGCAGGGGGCTCGAAGTCTGGAACAGCATCCCGAGCTGCTGGGCCCTGCC  
TGCTCAACGTGTGAGCAGATGGTGACAACGTGCATCTGGTTCTGAATGTCTCTGAGGAGCAGCACTTCG  
GCCTCTCCCTGTACTGGAATCAGGTCCAGGGCCCCCAAAACCCCGTGGCACAACCACTGACTGGACC  
GCAGATCATTACCTTGAACCACACAGACCTGGTCCCTGCCTCTGTATTCAAGGTGTGGCCTCTGGAACCT  
GACTCCGTTAGGACGAACATCTGCCCTTCCAGGGAGGACCCCGCGCACACCAGAACCTCTGGCAAGCCG  
CCCAGCTGCGACTGCTGACCCTGCAGAGCTGGCTGCTGGACGCACCGTCTGCTGCCCGAGAAGCGGC  
ACTGTGCTGGCGGGCTCCGGTGGGGACCCCTGCCAGCCACTGGTCCCACCGCTTCTGGGAGAAGCTC  
ACTGTGGACGTGAACAGCTCGGAGAAGCTGCAGCTGCAGGAGTGTGTGGGCTGACTCCCTGGGGCCTC  
TCAAAGACGATGTGCTACTGTTGGAGACACAGGCCCCCAAGACAACAGATCCCTCTGTGCCTTGAACC  
CAGTGGCTGTACTTCACTACCCAGCAAAGCCTCCACGAGGGCAGCTCGCCTTGGAGAGTACTTACTACAA  
GACCTGCAGTCAGGCCAGTGTCTGCAGCTATGGGACGATGACTTGGGAGCGCTATGGGCCTGCCCATGG  
ACAAATACATCCACAAGCGCTGGGCCCTCGTGTGGCTGGCCTGCCTACTCTTTGCCGCTGCGCTTCCCT  
CATCCTCCTTCTCAAAAAGGATCACGCGAAAGCGGCCAGGGGCCGCGCGGCTCTGCTCCTTACTCA  
GCCGATGACTCGGGTTTCGAGCGCCTGGTGGGCGCCCTGGCGTGGCCCTGTGCCAGTGGCGTGGCGG  
TGGCCGTAGACCTGTGGAGCCGTCTGAACTGAGCGCGCAGGGGCCCGTGGCTTGGTTTCACGCGCAGCG  
GCGCCAGACCCTGCAGGAGGGCGGCGTGGTGGTCTTGTCTTCTCTCCCGGTGCGGTGGCGTGTGCAGC  
GAGTGGCTACAGGATGGGGTGTCCGGGCCCGGGCGCACGGCCCGCACGACGCTTCCGCGCCTCGCTCA  
GCTGCGTGTGCCGACTTCTTGCAGGGCCGGGCGCCCGGAGCTACGTGGGGCCTGCTTCGACAGGCT  
GCTCCACCCGGACGCGCTACCCGCCCTTTCCGACCGTGGCCGCTTTCACACTGCCCTCCCAACTGCCA  
GACTTCTGGGGGCCCTGCAGCAGCCTCGCGCCCCGCTTCCGGGCGGCTCCAAGAGAGAGCGGAGCAAG  
TGTCCCGGCCCTTACCCAGCCCTGGATAGCTACTTCCATCCCCGGGGACTCCCGCGCCGGGACGCGG  
GGTGGGACCAGGCGGGGACCTGGGGCGGGGACGGGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG233083 representing NM\_001203264  
 Red=Cloning site Green=Tags(s)

MPVPWFLLSLALGRSPVVL SLERLVGPQDATHCSPGL SCRLWSDILCLPGDIVPAGPVLAPTHLQTEL  
 VLRCQKETDCDLCLRVAVHLAVHGHWEPEDEEKFGGAADSGVEEPRNASLQAQVLSFQAYPTARCVLL  
 EVQVPAALVQFGQSVGSVYDCEFAALGSEVRIWSTYQPRYEKELNHTQQLPDCRGLVWNSIPSCWALP  
 WLNVSADGDNVHLVNLVSEEQHFGLSL YWNQVQGPVKPRWHKNTGTPQIITLNHTDLVPCLCIQVWPLEP  
 DSVRTNICPFREDPRAHQNLWQAARLRLTLQSWLLDAPCSLPAEAALCWRAPGGDPCQPLVPLSWENV  
 TVDVNSSEKLQLQECLWADSLGPLKDDVLLLETRGPQDNRSLEALEPSGCTSLPSKASTRAARLGEYLLQ  
 DLQSGQCLQLWDDDLGALWACPMKYIHKRWLVWLACLLFAAALSLILLKKDHAKAAARGRAALLYS  
 ADDSGFERLVGALASALCQLPLRVAVDLWSRRELSAQGPVAVFHAQRRQTLQEGGVVLLFSPGAVALCS  
 EWLQDGVSGPAHGPHDAFRASLSCVLPDFLQGRAPGSYVGCDFRLLHPDAVPALFRTVPVFTLPSQLP  
 DFLGALQQPRAPRSGRLQERAEQVSRALQPALDSYFHPPGTPAPGRGVGPGAGPGAGDGT

TRTRPLE - GFP Tag - V

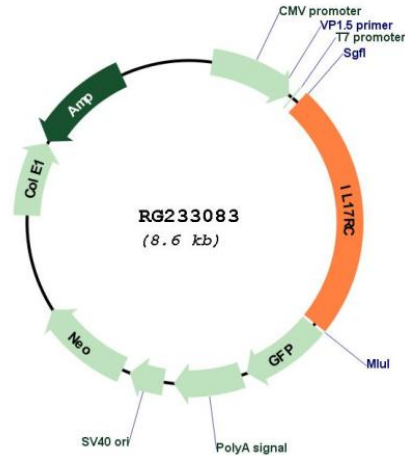
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_001203264

**ORF Size:** 2070 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\\_001203264.1](#), [NP\\_001190193.1](#)

**RefSeq Size:** 2362 bp

RefSeq ORF: 2073 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]