

Product datasheet for **RC233082**

IL17RC (NM_001203265) Human Tagged ORF Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | IL17RC (NM_001203265) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | IL17RC |
| Synonyms: | CANDF9; IL17-RL; IL17RL |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RC233082 representing NM_001203265
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTGTGCCCTGGTTCTTGTGTCTTGGCACTGGGCCGAAGCCAGTGGTCCTTTCTCTGGAGAGGC
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ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC233082 representing NM_001203265
 Red=Cloning site Green=Tags(s)

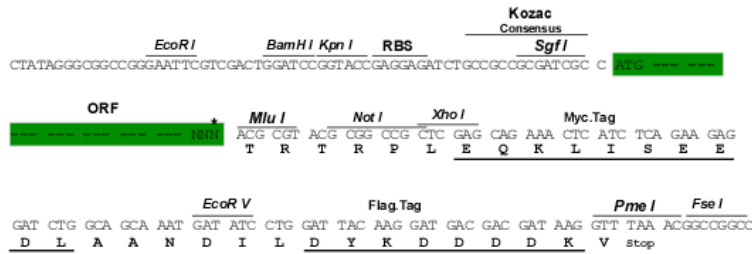
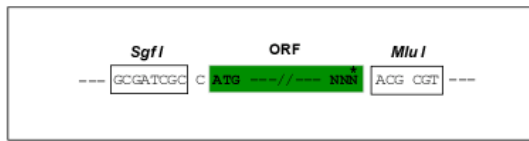
MPVPWFLLSLALGRSPVVL SLERLVGPQDATHCSPGLSCRLWSDILCLPGDIVPAGPVLAPTHLQTEL
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 EVQVPAALVQFGQSVGSVYDCEAALGSEVRIWSYTPRYEKELNHTQQLPALPWLNVSADGDNVHLVL
 NVSEEQHFGLSL YWNQVQGPPKPRWHKNLTGPQIITLNHTDLVPCLCIQVWPLEPDSVRTNICPFREDPR
 AHQNLWQAARLRLLTLQSWLLDAPCSLPAEAALCWRAPGGDPCQPLVPPLSWENVTVDVNSSEKQLQEC
 LWADSLGPLKDDVLLLETRGPQDNRSLSLCALEPSGCTSLPSKASTRAARLGEYLLQDLQSGQCLQLWDDDL
 GALWACPMDKYIHKRWALVWLACLLFAAALSLILLKKDHAKGWLRLKQDVRSGAAARGRAALLLYSAD
 DSGFERLVGALASALCQLPLRVAVDLWSRRELSAQGPVAVFHAQRRTLQEGGVVLLFSPGAVALCSEW
 LQDGVSGPGAHGPHDAFRASLSCVLPDFLQGRAPGSYVGACFDRLLHPDAVPALFRTVPVFTLPSQLPDF
 LGALQQPRAPRSGRQLQERAEQVSRALQPALDSYFHPGTPAPGRGVGPGAGPGAGDGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
 Cloning Scheme:

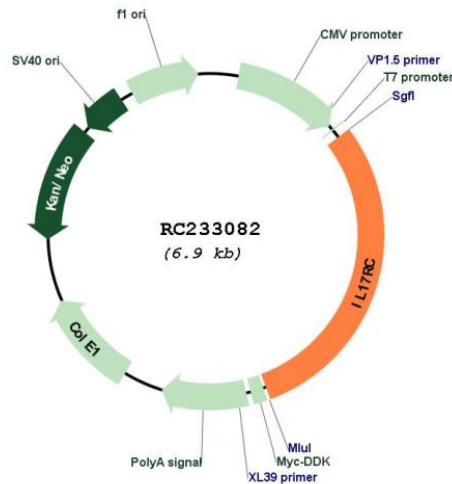
SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001203265

ORF Size: 2064 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_001203265.1](#), [NP_001190194.1](#)

RefSeq Size: 2356 bp

| | |
|-------------------|---------------------------------|
| RefSeq ORF: | 2067 bp |
| Locus ID: | 84818 |
| UniProt ID: | Q8NAC3 |
| Cytogenetics: | 3p25.3-p24.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 75.5 kDa |

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]