

Product datasheet for **RC213432**

IL17RC (NM_153461) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL17RC (NM_153461) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL17RC
Synonyms:	CANDF9; IL17-RL; IL17RL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC213432 representing NM_153461
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGTGCCCTGGTTCTTGCTGTCTTGGCACTGGGCCGAAGCCAGTGGTCCTTTCTCTGGAGAGGC
 TTGTGGGGCCTCAGGACGCTACCCACTGCCTCCGGTGAGTCTGGAACCTGGGGAGACGAGGAAAGGCT
 CAGGGTTCAGTTTTTGGCTCAGCAAAGCCTTAGCCTGGCTCCTGTCACTGCTGCCACTGCCAGAAGTCC
 CTGTCTGGTCTGTCTGGTCTGTGGTGTAGAGAGAAAGAACGGGGAAGGGGCAAGAGCTGGGTCTGTCTTT
 CTCTGGGAGGGTCTGGGAATACGGAGCCCCAGAAAAAGGGCCTCTCTGCCGCCTCTGGGACAGTGACAT
 ACTCTGCCTGCCTGGGACATCGTGCCTGCTCCGGGCCCGTGTGGCGCTACGCACCTGCAGACAGAG
 CTGGTGTGAGGTGCCAGAAGGAGACCGACTGTGACCTCTGTCTGCGTGTGGCTGCCACTTGGCCGTGC
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 TCGAGGCTGCCCTAGGGAGTGAGGTACAAATCTGGTCCTATACTCAGCCAGGTACGAGAAGGAAGTCAA
 CCACACACAGCAGCTGCCTGACTGCAGGGGGCTCGAAGTCTGGAACAGCATCCCAGCTGCTGGGCCCTG
 CCCTGGCTCAACGTGTACAGCAGATGGTGACAACGTGCATCTGGTTCTGAATGTCTCTGAGGAGCAGCACT
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 CGCCCCGACTGCGACTGCTGACCCTGCAGAGCTGGTGTGGAGCACCCTGCTCGCTGCCCGCAGAAAGC
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 GCACTGTGGACAAGTTCTCGAGTCCATTGCTGAAAGGCCACCCTAACCTCTGTGTTAGGTGAACA
 GCTCGGAGAAGCTGCAGCTGCAGGAGTGTGTGGGCTGACTCCCTGGGGCCTCTCAAAGACGATGTGCT
 ACTGTTGGAGACAGGAGCCCCAGGACAACAGATCCCTCTGTGCCTTGGAAACCCAGTGGCTGTACTTCA
 CTACCCAGCAAAGCCTCCACGAGGGCAGCTCGCCTTGGAGAGTACTTACTACAAGACCTGCAGTCAAGCC
 AGTGTCTGCAGCTATGGGACGATGACTTGGGAGCGCTATGGGCCTGCCCATGGACAAATACATCCACAA
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 AAGGATACGCGAAAGGGTGGCTGAGGCTCTTGAACAGGACGTCGCTCGGGGGCGGCCCGAGGGGCC
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 CCTGTGCCAGCTGCCGCTGCGCGTGGCCGTAGACCTGTGGAGCCGTGTAAGTGCAGCGCAGGGGCC
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 CGACGCTTCCGCGCCTCGCTCAGCTGCGTGTGCCGACTTCTTGCAGGGCCGGGCGCCCGGCAGCTAC
 GTGGGGCCCTGCTTCGACAGGCTGCTCCACCCGACGCGGTACCCGCCCTTTCCGACCGTGCCTGCT
 TCACTGCCCCCAACTGCCAGACTTCTGGGGCCCTGCAGCAGCCTCGGCCCGCGTTCGGGGCG
 GCTCCAAGAGAGAGCGGAGCAAGTGTCCCGGCCCTTCAGCCAGCCCTGGATAGCTACTTCCATCCCCCG
 GGGACTCCCGCGCGGGACCGGGGTGGACAGGGGCGGGACCTGGGGCGGGGACGGGACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213432 representing NM_153461
Red=Cloning site Green=Tags(s)

MPVPWFLLSLALGRSPVLSLERLVGPQDATHCSPVSLEPWGDEERLRVQFLAQQSLSLAPVTAATARTA
LSGLSGADGRREERGRGKSWVCLSLGGSGNTEPQKKGLSCRLWSDILCLPGDIVPAGPVLAPHLQTE
LVLRCQKETDCDLCLRVAVHLAVHGHWEPEDEEKFGGAADSGVEEPRNASLQAQVLSFQAYPTARCVL
LEVQVPAALVQFGQSVGSVVYDCFEAALGSEVQIWSYTPRYEKELNHTQQLPDCRGLEWNSIPSCWAL
PWLNVSADGDNVHLVLNVSEEQHFGLSLYWNQVQGPPKPRWHKNLTGPQIITLNHTDLVPCLCIQVWPLE
PDSVRTNICPFREDPRAHQNLWQAARLRLTLQSWLLDAPCSLPAEAALCWRAPGGDPCQPLVPPLSWEN
VTYDKVLEFPLLKGHPLCVQVNSSEKLQEQECLWADSLGPLKDDVLLLETRGPQDNRSLEPSGCTS
LPSKASTRAARLGEYLLQDLQSGQCLQLWDDDLGALWACPMKYIHKRWALVWLACLLFAAALSLILLK
KDHAKGWLRLKQDVRSGAAARGRAALLYSADDSGFERLVGALASALCQLPLRVAVDLWSRRELSAQGP
VAWFHAQRRTLQEGGVVLLFSPGAVALCSEWLQDGVSGPGAHGPHDAFRASLSCVLPDFLQGRAPGSY
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GTPAPGRGVGPGAGPGAGDGT

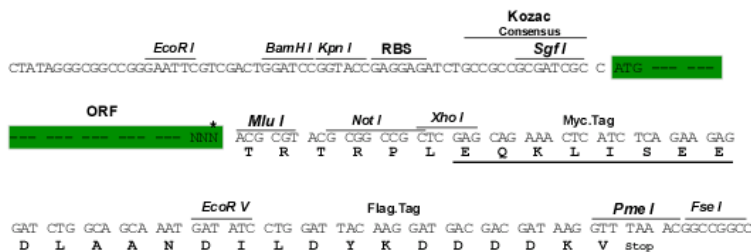
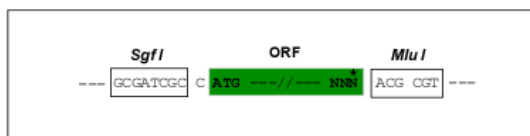
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2770_g09.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_153461

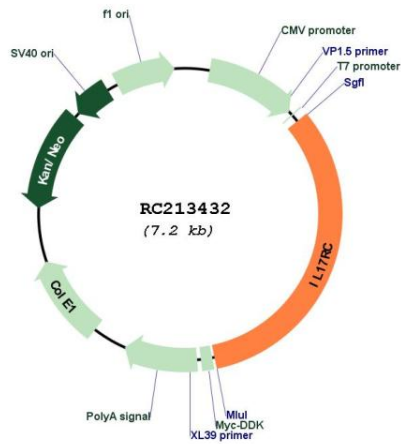
ORF Size: 2373 bp

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.

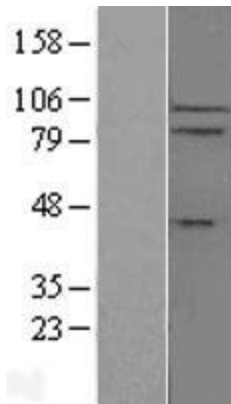
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_153461.4</u>
RefSeq Size:	2691 bp
RefSeq ORF:	2376 bp
Locus ID:	84818
UniProt ID:	<u>Q8NAC3</u>
Cytogenetics:	3p25.3-p24.1
Protein Families:	Druggable Genome, Transmembrane
MW:	83.9 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]

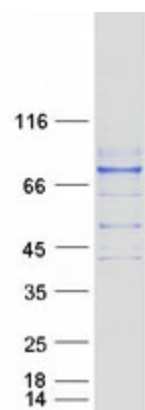
Product images:



Circular map for RC213432



Western blot validation of overexpression lysate (Cat# [LY407041]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213432 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IL17RC protein (Cat# [TP313432]). The protein was produced from HEK293T cells transfected with IL17RC cDNA clone (Cat# RC213432) using MegaTran 2.0 (Cat# [TT210002]).