

Product datasheet for **RG239646**

IL17RA (NM_001289905) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL17RA (NM_001289905) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL17RA
Synonyms:	CANDF5; CD217; CDw217; hIL-17R; IL-17RA; IL17R; IMD51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239646 representing NM_001289905.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGGCCGCACGCAGCCCGCGTCCGCTGTCCCGGGGCCCTGCTGGGGCTGCTCCTGCTGCTCCTG
GGCGTGTGGCCCGGGTGGCCCTCCCTGCGACTCCTGGACCACCGGGCGCTGGTCTGCCAGCCG
GGGCTAAACTGCACGGTCAAGAATAGTACCTGCCTGGATGACAGCTGGATTACCCCTCGAAACCTGACC
CCCTCCTCCCAAGGACCTGCAGATCCAGCTGCACTTTGCCACACCCAACAAGGAGACCTGTTCCCC
GTGGCTCACATCGAATGGACTGCAGACAGACGCCAGCATCCTGTACCTCGAGGGTGCAGAGTTATCT
GTCCTGCAGTGAACACCAATGAACGTTTGTGCGTCAGGTTTGTGTTTCTGTCCAAACTGAGGCATCAC
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CACCACCTGCCAAGCCCATCCCTGATGGGGACCCAAACCACCAGTCCAAGAATTCCTTGTGCCTGAC
TGTGAGCAGCCAGGATGAAGGTAACCAGCCATGCATGAGCTCAGGCAGCCTGTGGACCCCAACATC
ACCGTGGAGACCCTGGAGGCCACCAGCTGCGTGTGAGCTTACCCTGTGGAACGAATCTACCCATTAC
CAGATCCTGCTGACCAGTTTTCCGCACATGGAGAACCACAGTTGCTTTGAGCACATGCACCACATACCT
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ACTGTTTCTGCCAGAAATGCCAGACTCCAGAACCAATTCGGGGCCTGGAAGTAAAAATACAGT
GATGACACCAATACACCGATGGCTGCCTGCGGCTGACCTGATCCCCCACCCTGAAGCCAGGAAG
GTCTGGATCATCTACTCAGCCGACCACCCCTCTACGTGGACGTGGTCTGAAATTCGCCAGTTCTCTG
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ATGACCTGGGTGGCCGTGAGAAGCAGGAGATGGTGGAGAGCAACTTAAGATCATCGCTCTGTGCTCC
CGCGGCACGCGCCCAAGTGGCAGGCGCTCCTGGGCCGGGGGCCCTGTGCGGCTGCGCTGCGACCAC
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TGCTTCGGCACCTACGTAGTCTGCTACTTACGCGAGGTGAGTGTGACGCGACGTCCCCGACCTGTTT
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TGTGAGAACCTTACTCAGCAGATGACCAGGATGCCCCGTCCCTGGACGAAGAGGTGTTTGGAGGCCA
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CCCCGGGGTACGCCAGCGCCGACGCCCTCCACACCTGGTGTGCTCGCCGAGAGGAGGGGCCCTGGTG
GCCGCGGTGGAGCCTGGGCCCTGGCTGACGGTGCCGAGTCCGGCTGGCACTGGCGGGGGAGGGCGAG
GCCTGCCCGTGTGGGAGCCCGGGCGTGGGCGAAATAGCGTCTCTTCTCCCGTGGACCCCGAG
GACTCGCCCTTGGCAGCAGACCCCATGGCGTCTCCTGACCTCCTTCCAGAGGACGTGAGGGAGCAC
CTCGAAGGCTTGATGCTCTCGCTCTTCCAGCAGAGTCTGAGTCCAGGCCAGGGGGCTGCAGTAGA
CCCGCCATGGTCTCACAGACCCACACCGCCCTACGAGGAGGAGCAGCGGCAGTCACTGCACTGAC
CAGGGCTACATCTCCAGGAGCTCCCGCAGCCCGGAGGACTCACGGAATGGAGGAAGAGGAGGAA
GAGGAGCAGGACCCAGGGAAGCCGGCCCTGCCACTCTCTCCGAGGACCTGGAGAGCCTGAGGAGCCTC
CAGCGGCAGCTGCTTTTCCGCCAGTGCAGAAGAACTCGGGCTGGACACGATGGGGTACAGTACAGAG
GGGCCAGTGCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239646
 Blue=ORF Red=Cloning site Green=Tag(s)

MGAARSPPSAVPGPLLGLLLLLLGVLPAGGASLRLLDHRALVCSQPGLNCTVKNSTCLDDSWIHPRLT
 PSSPKDLQIQLHFAHTQQGDLFPVAHIEWTLQTDASILYLEGAELSVLQLNTNERLCVRFEFLSKLRHH
 HRRWRFTFSHFVVDPDQYEYEVTVHHLPKPIPDPGNHQSKNFLVPDCEHARMKVTTPCMSSGSLWDPNI
 TVETLEAHQLRVSFLLWNESTHYQILLTSFPHMENHSCFEHMHHPAPRPEEFHQRSNVTLTRNLKGC
 CRHQVQIQPFFSSCLNDCLRHSATVSCPEMPDTPEPIPGPGSEKYSDDTKYTDGLPAADLIPPLKPRK
 VWIISADHPLYVDVVLKFAQFLLTACGTEVALDLEEQAISEAGVMTWVGRQKQEMVESNSKIIIVLCS
 RGTRAKWQALLGRGAPVRLRCDHGKPVGDLF TAAMNMLPDFKRPACFGTYVVCYFSEVSCDGDVPDLF
 GAAPRYPLMDRFEEVYFRIQDLEMFQPGRMHRVGE LSGDNYLRSPGGRQLRAALDRFRDWQVRCPDWFE
 CENLYSADDQDAPSLDEEVFEEPLLPPGTGIVKRAPLVREPGSQACLAIDPLVGEEGGA AVAKLEPHLQ
 PRGQPAPQPLHTLVLAEEEGALVA AVEPGPLADGAAVRLALAGEGEACPLL GSPGAGRNSVLF LPVDPE
 DSPLGSSTPMASPDLLPEDVREHLEGLMLSLFEQSLSCQAQGGCSR PAMVLTDPHTPYEEEQRQSVQSD
 QGYISRSSQPPEGLTEMEEEEEEQDPGKPALPLSPEDLESLRSLQRQLLFRQLQKNSGWDTMGSESE
 GPSA
 TRTRPLEME SDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVI GDFKVMGTGFPEP
 SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001289905

ORF Size: 2496 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).

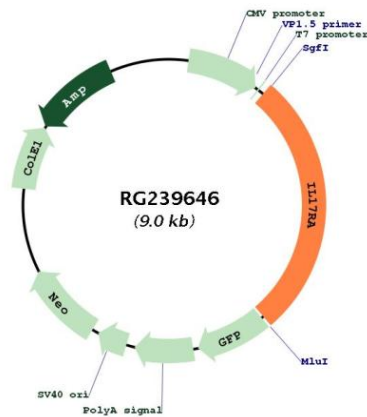
RefSeq: [NM_001289905.1](#), [NP_001276834.1](#)

RefSeq Size: 8506 bp

RefSeq ORF: 2499 bp
Locus ID: 23765
UniProt ID: [Q96F46](#)
Cytogenetics: 22q11.1
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Cytokine-cytokine receptor interaction
MW: 92.6 kDa

Gene Summary: Interleukin 17A (IL17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The transmembrane protein encoded by this gene (interleukin 17A receptor; IL17RA) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors, this receptor likely has a multimeric structure. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RG239646