

Product datasheet for **RC239646**

IL17RA (NM_001289905) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL17RA (NM_001289905) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL17RA
Synonyms:	CANDF5; CD217; CDw217; hIL-17R; IL-17RA; IL17R; IMD51
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC239646 representing NM_001289905
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGGATCGCC**

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Protein Sequence: >RC239646 representing NM_001289905

Red=Cloning site Green=Tags(s)

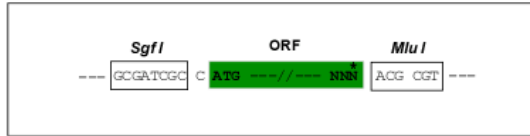
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VQIQPFSSCLNDCLRHSATVSCPEMPDTPPEIPGPGSEKYSDDTKYTDGLPAADLI PPPLKPRKVVIIY
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LHTLVLAEEGALVA AVEPGPLADGA AVRLALAGEGEACPLL GSPGAGRNSVLF LPVDPEDSPLGSSTPM
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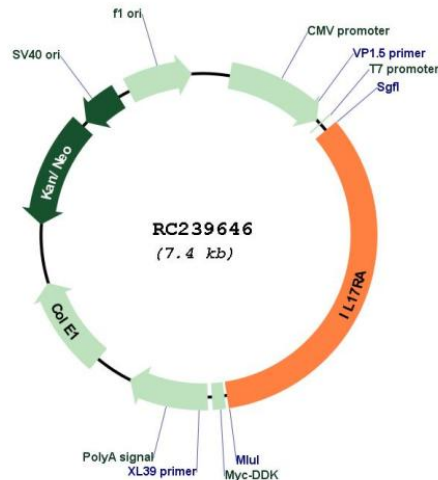
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


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).

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_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]