

Product datasheet for **SC320337**

IL17RA (NM_014339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL17RA (NM_014339) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL17RA
Synonyms:	CANDF5; CD217; CDw217; hIL-17R; IL-17RA; IL17R; IMD51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014339.4
GCGGAAAAGAAAGCCTCAGAACGTTTCGCTCGCTGCGTCCCCAGCCGGGGCCGAGCCCTCC
GCGACGCCACCCGGGCCATGGGGCCGCACGCAGCCCGCCGCTCCGCTGTCCGGGGCCCC
TGCTGGGGCTGCTCCTGCTGCTCCTGGGCGTGCTGGCCCCGGGTGGCGCCTCCCTGCGAC
TCCTGGACCACCGGGCGCTGGTCTGCTCCCAGCCGGGGCTAAACTGCACGGTCAAGAATA
GTACCTGCCTGGATGACAGCTGGATTACCCCTCGAAACCTGACCCCTCCTCCCCAAAGG
ACCTGCAGATCCAGCTGCACTTTGCCACACCCAACAAGGAGACCTGTTCCCGTGGCTC
ACATCGAATGGACTGCAGACAGACGCCAGCATCCTGTACCTCGAGGGTGCAGAGTTAT
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TGAGGCATCACCACAGGGGTGGCGTTTTACCTTCAGCCACTTTGTGGTTGACCTGACC
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ACCAGTGCCTGTGAGCTTACCCTGTGGAACGAATCTACCCATTACCAGATCCTGCTGA
CCAGTTTTCCGCACATGGAGAACCACAGTTGCTTTGAGCAGATGCACCACATACCTGCGC
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GGTGTGTGCGCCACCAAGTGCAGATCCAGCCCTTCTTCAGCAGCTGCCTCAATGACTGCC
TCAGACTCCGCGACTGTTTCTGCCAGAAATGCCAGACTCCAGAACCAATTCCGG
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CCGTCATCCTGCTCATCGTCTGATGACCTGGAGGCTAGCTGGGCCTGGAAGTAAAAAT
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TGAAGCCAGGAAGTCTGGATCATCTACTCAGCCGACCACCCCTCTACGTGGAGCTGG
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TGAAGAGCAGGCCATCTCGGAGGCAGGAGTCATGACCTGGTGGGCCGTGAGAAGCAGG
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GGCAGGCCTCCTGGCCGGGGGGCCCTGTGCGGCTGCGCTGCGACCACGGAAGCCCC
TGGGGACCTGTTCACTGCAGCCATGAACATGATCCTCCCGACTTCAAGAGCCAGCCT



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GCTTCGGCACCTACGTAGTCTGCTACTTCAGCGAGGTCAGCTGTGACGGCGACGTCCCCG
ACCTGTTTCGGCGCGGGCCGCGGTACCCGCTCATGGACAGGTTTCGAGGAGGTGTACTTCC
GCATCCAGGACCTGGAGATGTTCCAGCCGGGCCGCATGCACCCGCTAGGGGAGCTGTCGG
GGGACAACCTACCTGCGGAGCCCGGGCGGCAGGCAGCTCCGCGCCGCCCTGGACAGGTTCC
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TCACAGACCCACACACGCCCTACGAGGAGGAGCAGCGGCAGTCAGTGCAGTCTGACCAGG
GCTACATCTCCAGGAGCTCCCCGAGCCCCCGAGGGACTCACGAAATGGAGGAAGAGG
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CGAGGCAGGTGGATCACTCTGAGGTCAGGAGTTTGGCCAGCCTGGCCAACATGGTGAAA
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AAAAAAAAAAAAA
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- Restriction Sites:** Please inquire
- ACCN:** NM_014339
- Insert Size:** 3373 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_014339.4](#), [NP_055154.3](#)

RefSeq Size: 3429 bp

RefSeq ORF: 2601 bp

Locus ID: 23765

UniProt ID: [Q96F46](#)

Cytogenetics: 22q11.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

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]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.