

Product datasheet for **SC300097**

IL5RA (NM_000564) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL5RA (NM_000564) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL5RA
Synonyms:	CD125; CDw125; HSIL5R3; IL5R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000564 edited
 CGAATTCGTCGAGAGCGGACGGTTGCTCTGTACAAATCCTCCTCCATATTTGCTTAGAGA
 AAACGTGTTGCCATCCCATCATGAAGGAAGCTGCCTGAGAGTTTTAACCATTACAGCCG
 TGATGATGAAAGAGTGAAGAACCGCCTCTAAGTTAAAAAGTGCACCCAGAGATAAGGTTCT
 GTTCTCAATGCTCTGCCGCTGCTTCTCATCGCATGGCCACCGCATTCTCAGGCCAGGCA
 CATTGAGCATTGGTCTGTGCCTGACGCTATGCTAGATGCTGGGTTGCAGCCACGAGCA
 TAGACACGACAGACACGGTCTCGCCATCTTCTGTTGAGTACTGGTCGGAACAAGAGGAT
 CGTCTGTAGACAGGATATGATCATCGTGGCGCATGTATTACTCATCCTTTTGGGGCCAC
 TGAGATACTGCAAGCTGACTTACTTCTGATGAAAAGATTTCACTTCTCCCGCTGTCAA
 TTTACCATTAAAGTTACTGGTTTGGCTCAAGTTCTTTTACAATGGAAACCAAATCCTGA
 TCAAGAGCAAAGGAATGTTAATCTAGAATATCAAGTAAAATAAACGCTCCAAAAGAAGA
 TGAATATGAAACCAGAATCACTGAAAGCAAATGTGAACCATCTCCACAARGGCTTTTC
 AGCAAGTGTGCGGACCATCTGCAGAACGACCACTCACTACTGGCCAGCAGCTGGGCTTC
 TGCTGAACTTCATGCCCCACCAGGGTCTCTGGAACCTCAATTGTGAATTTAACTTGCAC
 CACAAACTACAGAAGACAATTATTCAGTTTTAAGGTCATACCAAGTTTCCCTTCACTG
 CACCTGGCTTGTGGCACAGATGCCCTGAGGACACGCAGTATTTTCTCTACTATAGGTA
 TGGCTCTTGGACTGAAGAATGCCAAGAATACAGCAAAGACACACTGGGGAGAAATATCGC
 ATGCTGGTTTCCAGGACTTTTATCCTCAGCAAAGGGCGTGACTGGCTTGCGGTCTTGT
 TAACGGCTCCAGCAAGCACTCTGCTATCAGGCCCTTTGATCAGCTGTTTGCCTTACGC
 CATTGATCAAATAAATCCTCCACTGAATGTCACAGCAGAGATTGAAGGAAGCTCGTCTCTC
 TATCCAATGGGAGAAACCAAGTGTCTGCTTTTCCAATCCATTGCTTTGATTATGAAGTAAA
 AATACACAATACAAGGAATGGATATTTGCAGATAGAAAAATTGATGACCAATGCATTGAT
 CTCATAATTGATGATCTTTCTAAGTACGATGTTCAAGTGAAGCAGCAGTGAGCTCCAT
 GTGCAGAGAGGCAGGGCTCTGGAGTGAGTGGAGCCAACCTATTTATGTGGGAAATGATGA
 ACACAAGCCCTTGAGAGAGTGGTTTGTCTTGTGATTATGGCAACCATCTGCTTCACTT
 GTTAATTCTCTCGCTTATCTGAAAATATGTCATTTATGGATCAAGTTGTTTCCACCAAT
 TCCAGCACAAAAGTAATCAAAAGATCTTTTGAACCACTAACTATGAGAAAGCTGG
 GTCCAGTGAGACGAAATTGAAGTCATCTGTTATATAGAGAAGCCTGGAGTTGAGACCCT
 GGAGGATTCTGTGTTTTGACTGTCATTTGGCATCCTCTGATGAACTCACACATGCCTCA
 GTGCCCTCAGTAAAAGAACAGGGATGCTGGCTCTAAGGGC

Restriction Sites: Please inquire

ACCN: NM_000564

Insert Size: 1800 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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_000564.2.

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_000564.2](#), [NP_000555.2](#)

RefSeq Size: 2367 bp

RefSeq ORF: 1263 bp

Locus ID: 3568

UniProt ID: [Q01344](#)

Cytogenetics: 3p26.2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

Gene Summary: The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Several alternatively spliced transcript variants encoding four distinct isoforms have been reported. [provided by RefSeq, Jul 2011]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Variants 1 and 4 both encode the same 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.