

Product datasheet for **SC123343**

IL5RA (NM_175728) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL5RA (NM_175728) Human Untagged Clone
Tag: Tag Free
Symbol: IL5RA
Synonyms: CD125; CDw125; HSIL5R3; IL5R
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_175728 edited
ACGGTTGCTCTGTACAAATCCTCCTCCATATTTGCTTAGAGAAAACGTGTTGCCATCCCA
TCATGAAGGAAGCTGCCTGAGAGTTTTTAACCATTACAGCCGTGATGAAAGAGTGAA
GAACCGCCTCTAAGTTAAAAAGTGACCCAGAGATAAGGTTTCGTTCTCAATGCTCTGCCG
CTGCTTCTCATCGCATGGCCACCGCATTCTCAGGCCAGGCACATTGAGCATTGGTCCTG
TGCCTGACGCTATGCTAGATGCTGGGTTGCAGCCACGAGCATAGACACGACAGACACGG
TCCTCGCCATCTTCTGTTGAGTACTGGTCGGAACAAGAGGATCGTCTGTAGACAGGATAT
GATCATCGTGGCGCATGTATTACTCATCCTTTTGGGGGCCACTGAGATACTGCAAGCTGA
CTTACTTCTGATGAAAAGATTTCACTTCTCCCGCTGTCAATTCACCATTAAGTTAC
TGGTTTGGCTCAAGTTCTTTACAATGAAAACCAATCCTGATCAAGAGCAAAGGAATGT
TAATCTAGAATATCAAGTAAAAATAAACGCTCCAAAAGAAGATGACTATGAAACCAGAAT
CACTGAAAGCAAATGTGTAAACATCCTCCACAAGGGCTTTTCAGCAAGTGTGCGGACCAT
CCTGCAGAACGACCACTCACTACTGGCCAGCAGCTGGGCTTCTGCTGAACTTCATGCCCC
ACCAGGGTCTCCTGGAACCTCAATTGTGAATTTAACTTGCAACCACAAACTACAGAAGA
CAATTATTCACGTTTAAGGTCATACCAAGTTTCCCTTCACTGCACCTGGCTTGTGGCAC
AGATGCCCTGAGGACACGCAGTATTTCTCTACTATAGGTATGGCTCTTGGACTGAAGA
ATGCCAAGAATACAGCAAAGACACACTGGGGAGAAATATCGCATGCTGGTTTCCAGGAC
TTTTATCCTCAGCAAAGGGCGTGACTGGCTTGGCGTGCTTGTGACGGCTCCAGCAAGCA
CTCTGATCAGGCCCTTTGATCAGCTGTTTGCCTTTCAGCCATTGATCAAATAAATCC
TCCACTGAATGTCACAGCAGAGATTGAAGGAACTCGTCTCTCTATCCAATGGGAGAAACC
AGTGTCTGCTTTTCCAATCCATTGCTTTGATTATGAAGTAAAAATACACAATACAAGGAA
TGGATATTTGCAGATAGAAAAATTGATGACCAATGCATTCATCTCAATAATTGATGATCT
TTCTAAGTACGATGTTCAAGTGAGAGCAGCAGTGAGCTCCATGTGCAGAGAGGCAGGGCT
CTGGAGTGAGTGGAGCCAACCTATTTATGTGGGTTTCTCAAGATAAAGGAGATAACATCC
AGCTTTCCTGCCCCACACCGTATCTGAAATAAAAAACAACAGCAGGAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_175728 unedited CCTGTTAGCATTTGTAACGACTTATATAGGCGGCCGCATAAATTCGTATAGCATACATT ATATGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGACGGTT GCTCTGTACAAATCCTCCTCCATATTTGCTTAGAGAAAACGTGTTGCCATCCCATCATGA AGGAAGCTGCCTGAGAGTTTTTAACCATTACAGCCGTGATGATGAAAGAGTGAAGAACC CCTCTGAGTTAAAAAGTGCACCCAGAGATAAGGTTCTGTTCTCAATGCTCTGCCGCTGCTT CTCATCGCATGGCCACCGCATTTCTCAGGCCAGGCACATTGAGCATTGGTCCTGTGCCTG ACGTATGCTAGATGCTGGGGTTGCAGCCACGAGCATAGACACGACAGACACGGTCCTCG CCATCTTCTGTTGAGTACTGGTCGGAACAAGAGGATCGTCTGTAGACAGGATATGATCAT CGTGGCGCATGTATTACTCATCCTTTTGGGGGCCACTGAGATACTGCAAGCTGACTTACT TCCTGATGAAAAGATTTCACTTCTCCCGCTGTCAATTTACCATTAAAGTTACTGGTTT GGCTCAAGTTCTTTTACAATGGAAACCAATCCTGATCAAGAGCAAAGGAATGTTAATCT AGAATATCAAGTAAAAATAACGCTCCAAAAGAAGATGACTATGANACCAGAATCACTGA NAGCAAATGTGTAACCATCCTCCACAAGGGCTTTTCAGCAAGTGTCGGACCATCCTGCA GAACGACCACTACTACTGGCCAGCAGTGGGCTTCTGCTGAAC TTCATGCCCCACCAGG GTCTCCTGGAACCTATTGTGAATTTAACTGCACCACAACACTACAGAAGACATTATTCC GTTAAAGTCATACCN
Restriction Sites:	Please inquire
ACCN:	NM_175728
Insert Size:	1445 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).
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:	NM_175728.1 , NP_783855.1
RefSeq Size:	1626 bp
RefSeq ORF:	1008 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 (6) lacks an internal segment within the 5' UTR, and differs in the 3' end region, when compared to variant 1. The resulting isoform (3) has a shorter and distinct C-terminus, as compared to isoform 1.