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Product datasheet for SC307017

IL5RA (NM_175726) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: IL5RA (NM_175726) Human Untagged Clone

Tag: Tag Free

Symbol: IL5RA

Synonyms: CD125; CDw125; HSIL5R3; IL5R

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_175726, the custom clone sequence may differ by one or more nucleotides
ATGATCATCGTGGCGCATGTATTACTCATCCTTTTGGGGGCCACTGAGATACTGCAAGCT
GACTTACTTCCTGATGAAAAGATTTCACTTCTCCCACCTGTCAATTTCACCATTAAAGTT
ACTGGTTTGGCTCAAGTTCTTTTACAATGGAAACCAAATCCTGATCAAGAGCAAAGGAAT
GTTAATCTAGAATATCAAGTGAAAATAAACGCTCCAAAAGAAGATGACTATGAAACCAGA
ATCACTGAAAGCAAATGTGTAACCATCCTCCACAAAGGCTTTTCAGCAAGTGTGCGGACC
ATCCTGCAGAACGACCACTCACTACTGGCCAGCAGCTGGGCTTCTGCTGAACTTCATGCC
CCACCAGGGTCTCCTGGAACCTCAATTGTGAATTTAACTTGCACCACAAACACTACAGAA
GACAATTATTCACGTTTAAGGTCATACCAAGTTTCCCTTCACTGCACCTGGCTTGTTGGC
ACAGATGCCCCTGAGGACACGCAGTATTTTCTCTACTATAGGTATGGCTCTTGGACTGAA
GAATGCCAAGAATACAGCAAAGACACACTGGGGAGAAATATCGCATGCTGGTTTCCCAGG
ACTTTTATCCTCAGCAAAGGGCGTGACTGGCTTGCGGTGCTTGTTAACGGCTCCAGCAAG
CACTCTGCTATCAGGCCCTTTGATCAGCTGTTTGCCCTTCACGCCATTGATCAAATAAAT
CCTCCACTGAATGTCACAGCAGAGATTGAAGGAACTCGTCTCTCTATCCAATGGGAGAAA
CCAGTGTCTGCTTTTCCAATCCATTGCTTTGATTATGAAGTAAAAATACACAATACAAGG
AATGGATATTTGCAGATAGAAAAATTGATGACCAATGCATTCATCTCAATAATTGATGAT
CTTTCTAAGTACGATGTTCAAGTGAGAGCAGCAGTGAGCTCCATGTGCAGAGAGGCAGGG
CTCTGGAGTGAGTGGAGCCAACCTATTTATGTGGGAAATGATGAACACAAGCCCTTGAGA
GAGTGGTTTGTCATTGTGATTATGGCAACCATCTGCTTCATCTTGTTAATTCTCTCGCTT
ATCTGTAAAATATGTCATTTATGGATCAAGTTGTTTCCACCAATTCCAGCACCAAAAAGT
AATATCAAAGATCTCTTTGTAACCACTAACTATGAGAAAGCTGGGTCCAGTGAGACGGAA
ATTGAAGTCATCTGTTATATAGAGAAGCCTGGAGTTGAGACCCTGGAGGATTCTGTGTTT
TGA

Restriction Sites: Please inquire

ACCN: NM_175726

View online »

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_175726.1, NP_783853.1
RefSeq Size:	2299 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 (4) lacks an internal segment within the 5' UTR, as compared to variant 1. Variants 1 and 4 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.