

## Product datasheet for **SC303140**

### IL3RA (NM\_002183) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL3RA (NM_002183) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL3RA
Synonyms:	CD123; hIL-3Ra; IL3R; IL3RAY; IL3RX; IL3RY
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_002183 edited  
 GTCAGGTTTCATGGTTACGAAAGCTGCTGACCCCAGGATCCCAGCCCGTGGGAGAGAAGGGG  
 GTCTCTGACAGCCCCACCCCTCCCCACTGCCAGATCCTTATTGGGTCTGAGTTTCAGGG  
 GTGGGGCCCCAGCTGGAGGTTATAAACAGCTCAATCGGGGAGTACAACCTTCGGTTTCT  
 CTTGGGGAAAGCTGCTTTCAGCGCACACGGGAAGATATCAGAAACATCCTAGGATCAGG  
 ACACCCAGATCTTCTCAACTGGAACCAGAAAGGCTGTTTCTCCACACAGCACTTTGAT  
 CTCCATTTAAGCAGGCACCTCTGCTGCTGCGTTCGGAGCTGCGTTCCTGATGGTCTCCT  
 TTGGCTACGCTCCTGATCGCCCTGCCCTGTCTCCTGCAAACGAAGGAAGATCCAAA  
 CCCACCAATCACGAACCTAAGGATGAAAGCAAAGGCTCAGCAGTTGACCTGGGACCTTAA  
 CAGAAATGTGACCGATATCGAGTGTGTTAAAGACGCCACTATTCTATGCCGGCAGTGAA  
 CAATAGCTATTGCCAGTTTGGAGCAATTCCTTATGTGAAGTGACCAACTACACCGTCCG  
 AGTGGCAACCCACCATCTCCACGTGGATCCTTCCCTGAGAACAGTGGGAAGCCTTG  
 GGCAGGTGCGGAGAATCTGACCTGCTGGATTATGACGTGGATTCTTGAGCTGCAGCTG  
 GCGGTTAGGCCCGGGGGCCCCCGGACGTCCAGTACGACCTGTACTTGAACGTTGCCAA  
 CAGGCGTCAACAGTACGAGTGTCTTCACTACAAAACGGATGCTCAGGGAACAGTATCGG  
 GTGTCGTTTCGATGACATCTCTGACTCTCCAGCGTTTCTCAAAGTTCACACATCCTGGT  
 GCGGGGACAGGAGCGCAGCCTTCGGTATCCCTGCACAGATAAGTTTGTGCTCTTTTACAA  
 GATTGAGATATTAACCTCCACCAACATGACTGCAAAGTGAATAAGACACATTCCTTTAT  
 GCACTGGAAAAAGAGAAGTCATTTCAATCGCAAAATTCGCTATGAGCTTCAGATACAAAA  
 GAGAATGCAGCCTGTAATCACAGAACAGGTGAGAGACAGAACCTCCTCCAGCTACTCAA  
 TCCTGGAACGTACACAGTACAAAAGAGCCCGGGAAAGAGTGTATGAATCTTGAGCGC  
 CTGGAGCACCCCCAGCGCTTCGAGTGCAGCAGGAGGAGGGCGCAAACACACGTGCCTG  
 GCGGAGTGCCTGCTGATCGCGTGGGACGCTGCTGGCCCTGGTCTGTGTCTTCTGTGAT  
 CTGCAGAAGGTATCTGGTATGCAGAGACTCTTCCCGCATCCCTCACATGAAAGACCC  
 CATCGGTGACAGCTTCCAAAACGACAAGCTGGTGGTCTGGGAGGCGGGCAAGCCGGCCT  
 GGAGGAGTGTCTGGTACTGAAGTACAGGTCGTGCAGAAAATTGAGACTGGGGTTACAGG  
 GCTTGTGGGGTCTGCCTCAATCTCCCTGGCCGGCCAGGCGCCTGCACAGACTGGCTGC  
 TGGACCTGCGCACGCAGCCAGGAATGGACATTCCTAACGGTGGTGGGCATGGGAGATG  
 CCTGTGAATTTCTGTCGAAGCTGCCAGGAAGAAGAACAAGAACTTTGTGTGTTTTATTCA  
 TGATAAAGTGATTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_002183
- 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\_002183.2.
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002183.2</a> , <a href="#">NP_002174.1</a>
<b>RefSeq Size:</b>	1726 bp
<b>RefSeq ORF:</b>	1137 bp
<b>Locus ID:</b>	3563
<b>UniProt ID:</b>	<a href="#">P26951</a>
<b>Cytogenetics:</b>	X;Y
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Apoptosis, Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway
<b>Gene Summary:</b>	<p>The protein encoded by this gene is an interleukin 3 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 IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found. [provided by RefSeq, Jun 2012]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>