

## Product datasheet for **SC332872**

### IL3RA (NM\_001267713) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL3RA (NM\_001267713) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** IL3RA  
**Synonyms:** CD123; hIL-3Ra; IL3R; IL3RAY; IL3RX; IL3RY  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332872 representing NM\_001267713.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGTCTCCTTTGGCTCACGCTGCTCCTGATCGCCCTGCCCTGTCTCCTGCAAACGAAGGAAGGTGGG
AAGCCTTGGGCAGGTGCGGAGAATCTGACCTGCTGGATTCATGACGTGGATTTCTTGAGCTGCAGCTGG
GCGGTAGGCCCGGGGGCCCCGCGGACGTCCAGTACGACCTGTACTTGAACGTTGCCAACAGGCGTCAA
CAGTACGAGTGTCTTCACTACAAAACGGATGCTCAGGGAACACGTATCGGGTTCGTTTCGATGACATC
TCTCGACTCTCCAGCGGTTCTCAAAGTTCACACATCCTGGTGCAGGAGCAGGCGCAGCCTTCGGTATC
CCCTGCACAGATAAGTTTGTCTCTTTTACAGATTGAGATATTAACCTCCACCAACATGACTGCAAAG
TGTAATAAGACACATTCTTTATGCACTGGAAAATGAGAAGTCATTTCAATCGCAAATTTTCGCTATGAG
CTTCAGATACAAAAGAGAATGCAGCCTGTAATCACAGAACAGGTCAGAGACAGAACCTCCTTCCAGCTA
CTCAATCTGGAACGTACACAGTACAAAATAAGAGCCCGGGAAAGAGTGTATGAATTCTTGAGCGCCTGG
AGCACCCCCAGCGCTTCGAGTGCAGCAGGAGGGCGCAAACACACGTGCCTGGCGGACGTCGCTG
CTGATCGCGCTGGGGACGCTGCTGGCCCTGGTCTGTGTCTTCGTGATCTGCAGAAGGTATCTGGTGATG
CAGAGACTCTTCCCCGCATCCCTCACATGAAAGACCCCATCGGTGACAGCTTCCAAAACGACAAGCTG
GTGGTCTGGGAGGCGGGCAAAGCCGCTGGAGGAGTGTCTGGTACTGAAGTACAGGTCGTGCAGAAA
ACTTGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001267713  
**Insert Size:** 903 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).



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**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\\_001267713.1](#)

**RefSeq Size:** 1479 bp

**RefSeq ORF:** 903 bp

**Locus ID:** 3563

**UniProt ID:** [P26951](#)

**Cytogenetics:** X;Y

**Protein Families:** Transmembrane

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

**MW:** 34.5 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (2) lacks two in-frame exons in the 5' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment in the N-terminal region, compared to isoform 1.