

## Product datasheet for **TP306420**

### **IL3RA (NM\_002183) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human interleukin 3 receptor, alpha (low affinity) (IL3RA), 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC206420 representing NM_002183 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MVLLWLTLIIALPCLLQTKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADYSMPAVNNSYCQ F GAISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWIHDVDFLSCSWAVGPGAPADVQYDLYL NVANRRQQYECLHYKTDAQGTRIGCRFDDISRLSSGSQSSHILVRGRSAAFPGPCTDKFVVSQIEILTP PNMTAKCNKTHSFMHWKMRSHFNRFYELQIQKRMQPVITEQVRDRTSFQLNPGTYTVQIRARERVY E FLSAWSTPQRFECQEEGANTRAWRTSLIIALGTLALVCVFVICRRYLVMQRLFPRIPHMKDPIGDSFQ NDKLVVWEAGKAGLEECLVTEVQVQKT  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	41.2 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_002174](#)

Locus ID: 3563

UniProt ID: [P26951](#)

RefSeq Size: 1726

Cytogenetics: X;Y

RefSeq ORF: 1134

Synonyms: CD123; hIL-3Ra; IL3R; IL3RAY; IL3RX; IL3RY

**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]

**Protein Families:** Transmembrane

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

## Product images:



Coomassie blue staining of purified IL3RA protein (Cat# TP306420). The protein was produced from HEK293T cells transfected with IL3RA cDNA clone (Cat# [RC206420]) using MegaTran 2.0 (Cat# [TT210002]).