

Product datasheet for **TP306420M**

IL3RA (NM_002183) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 3 receptor, alpha (low affinity) (IL3RA), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206420 representing NM_002183 Red =Cloning site Green =Tags(s)
	 MVLLWLTLIIALPCLLQTKEDPNPPITNLRMKAKAQQLTWDLNRRNVTDIECVKDADYSMPAVNNSYCQF GAISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWIHDVDFLSCSWAVGPGAPADVQYDLYL NVANRRQQYECLHYKTDAQGTRIGCRFDDISRLSSGSQSSHILVRGRSAAFIPCTDKFVFSQIEILTP PNMTAKCNKTHSFMHWKMRSHFNRKFRYELQIQKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYE FLSAWSTPQRFECDDQEEGANTRAWRTSLIIALGTLALVCFVICRRYLVMQRLFPRIPHMKDPIGDSFQ NDKLVVWEAGKAGLEECLVTEVQVQKT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	41.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002174
Locus ID:	3563



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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]).