

Recombinant Full Length Human IL3RA Protein, C-Flag-tagged

Cat. No. IL3RA-702HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IL3RA Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.2 kDa
AA Sequence	MVLLWLTLIIALPCLLQTKEDPNPPITNLRMKAKAQQLTWDLNARNVTDIECVKDADY SMPAVNNSYCQF GAISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWI HDVDFLSCSWAVGPGAPADVQYDLYL NVANRRQQYECLHYKTDAGQTRIGCRFD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DISRLSSGSQSSHILVRGRSAAFGIPCTDKFVVFSSQIEILTP PNMTAKCNKTHSFMH
 WKMRSHFNRKFRYELQIQKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYE F
 LSAWSTPQRFECDDQEEGANTRAWRTSLIALGTLLALVCVFVICRRYLVMQRLFPRI
 PHMKDPIGDSFQ
 NDKLVVWEAGKAGLEECLVTEVQVQKTTTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Apoptosis, Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway
Full Length	Full L.

GENE INFORMATION

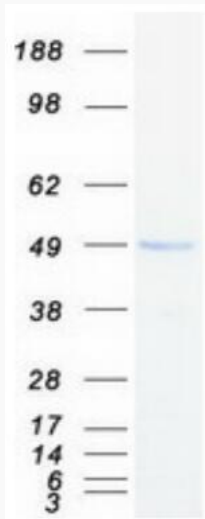
Gene Name	IL3RA interleukin 3 receptor subunit alpha [Homo sapiens (human)]
Official Symbol	IL3RA

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Synonyms	IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra
Gene ID	3563
mRNA Refseq	NM_002183.4
Protein Refseq	NP_002174.1
MIM	308385
UniProt ID	P26951



Coomassie blue staining of purified IL3RA protein.