

Product datasheet for PH306420

IL3RA (NM_002183) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IL3RA MS Standard C13 and N15-labeled recombinant protein (NP_002174)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206420
Predicted MW:	43.33 kDa
Protein Sequence:	>RC206420 representing NM_002183 Red=Cloning site Green=Tags(s) MVLLWLTLIIALPCLLQTKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADYSMPAVNNSYCQF GAIISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWIHDVDFLSCSWAVGPGAPADVQYDLYL NVANRRQYECLHYKTDAGTRIGCRFDDISRLSSGSQSSHILVRGRSAAFGIPCTDKFVVFSQIEILTP PNMTAKCNKTHSFMHWKMRSHFNRFYELQIQKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYE FLSAWSTPQRFECDEEGANTRAWRTSLIIALGTLALVCFVICRRYLVMQRLFPRIIPHMKDPIGDSFQ NDKLVVWEAGKAGLEELVTEVQVVQKT TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002174
RefSeq Size:	1726
RefSeq ORF:	1134
Synonyms:	CD123; hIL-3Ra; IL3R; IL3RAY; IL3RX; IL3RY
Locus ID:	3563



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UniProt ID: [P26951](#)

Cytogenetics: X;Y

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]).