

Recombinant Human IL3RA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IL3RA-6326H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IL3RA MS Standard C13 and N15-labeled recombinant protein (NP_002174) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	43.33 kDa
AA Sequence	MVLLWLTLIIALPCLLQTKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADY SMPAVNNSYCQFGAISLCEVTNYTVRVANPPFSTWILFPENSGKPWAGAENLTCWI HDVDFLSCSWAVGPGAPADVQYDLYLVANRRQQYECLHYKTDAQGTRIGCRFDD

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ISRLSSGSQSSHILVRGRSAAFGIPCTDKFVFSQIEILTPPNMTAKCNKTHSFMHWK
MRSHFNRFYELQIQKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYEFLSA
WSTPQRFECDDQEEGANTRAWRTSLIALGTLLALVCVFVICRRYLVMQRLFPRI PHM
KDPIGDSFQNDKLVVWEAGKAGLEECLVTEVQVVQKTTTRTRPLEQKLISEEDLAAND
ILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol IL3RA

Synonyms IL3RA; interleukin 3 receptor, alpha (low affinity); interleukin-3 receptor subunit alpha; CD123; IL-3RA; IL-3R-alpha; CD123 antigen; IL-3R subunit alpha; IL-3 receptor subunit alpha; IL-3 receptor alpha SP2 isoform; IL3R; IL3RX; IL3RY; IL3RAY; hIL-3Ra; MGC34174;

Gene ID 3563

mRNA Refseq NM_002183

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Protein Refseq [NP_002174](#)

MIM [308385](#)

UniProt ID [P26951](#)

SDS-PAGE



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