

Recombinant Full Length Human IL3RA Protein

Cat. No. IL3RA-1007HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL3RA full-length ORF (NP_002174.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	378 amino acids
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 of pH8.0 containing 2% glycerol.
Molecular Mass	43.3 kDa
AA Sequence	MVLLWLTL LL IALPCLLQTK EDPNPPITNL RMKAKAQQLT WDLNRNVTDI ECVKDADYSM PAVNNSYCQF GAISLCEVTN YTVRVANPPF STWILFPENS

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GKPWAGAENL TCWIHDVDFL SCSWAVGPGA PADVQYDLYL NVANRRQQYE
 CLHYKTDAQG TRIGCRFDDI SRLSSGSQSS HILVRGRSAA FGIPCTDKFV
 VFSQIEILTP PNMTAKCNKT HSFMHWKMSR HFNRKFRYEL QIQKRMQPVI
 TEQVRDRTSF QLLNPGTYTV QIRARERVYE FLSAWSTPQR FECDQEEGAN
 TRAWRTSLLI ALGTLALVC VFVICRRYLV MQRLEFPRIPH MKDPIGDSFQ
 NDKLVVWEAG KAGLEECLVT EVQVVQKT

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name IL3RA interleukin 3 receptor, alpha (low affinity) [Homo sapiens]

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

Gene ID 3563

mRNA Refseq NM_002183

Protein Refseq NP_002174

MIM 308385

UniProt ID P26951

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