

Recombinant Human IL3RA, Fc-tagged

Cat. No. IL3RA-29795TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 19-302 of Human IL3RA fused to the Fc region of human IgG1 expressed in modified human 293 cells, 533 amino acids, Predicted MWt 60.6 kDa.
Species	Human
ProteinLength	19-302 a.a.
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.
Conjugation	Fc
Form	Lyophilised: It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not rec

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Trehalose, 1% Human serum albumin
Storage	Store at +4°C.
Sequences of amino acids	TKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADY SMPAVNNSYCQFGAIS LCEVTNYTVRVANPPFSTWILF PENSGKPWAGAENLTCWIHDVDFLSCSWAVGPG APADV QYDLYLNVANRRQQYECLHYKTDAQGTRIGCRFDDISR LSSGSQSSHILVR GRSAAFGIPCTDKFVVSQIEILTP PNMTAKCNKTHSFMHWKMRSHFNRFKRYELQI QKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYEFLSAWSTP QRFECQEE GANTRGGRVDGIQWIPKVDKKVEPKSCDK THTCP PCAPELLGGPSVFLFPPKPKD TLMISRTPEVT CVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNS TYRVVS VLTVLHQDWLNGKEYKCRVSNKALPAPIEKTI SKAKGQPREPQVYTLPPSRDELTKN QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDK SRW QQGNVFSCSVMHEALHNHYTQKSLSLSPGK
Sequence Similarities	Belongs to the type I cytokine receptor family. Type 5 subfamily.

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;
Gene ID	3563

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mRNA Refseq	NM_002183
Protein Refseq	NP_002174
MIM	308385
Uniprot ID	P26951
Chromosome Location	Xp22.3 and Yp13.3
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	interleukin-3 receptor activity; receptor activity;

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