

Recombinant Human IL3RA Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. IL3RA-29795THAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 488 conjugated 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
Source	HEK293
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.
Form	Lyophilized
N-terminal Sequence Analysis	TKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADY SMPAVNNSYCQFGAIS LCEVTNYTVRVANPPFSTWILF PENSGKPWAGAENLTCWIHDVDFLSCSWAVGPG

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APADV QYDLYLNVANRRQQYECLHYKTDAQGTRIGCRFDDISR LSSGSQSSHILVR
 GRSAAFGIPCTDKFVVSQIEILTP PNMTAKCNKTHSFMHWKMRSFNRKFRYELQI
 QKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYEFLSAWSTP QRFECQEE
 GANTRGGRVDGIQWIPKVDKKVEPKSCDK THTCPPCPAPELLGGPSVFLFPPKPKD
 TLMISRTPEVT CVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNS TYRVVS
 VLTVLHQDWLNGKEYKCRVSNKALPAPIEKTI SKAKGQPREPQVYTLPPSRDELTKN
 QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDK SRW
 QQGNVFSCSVMHEALHNHYTQKSLSLSPGK

Purity > 95 % as determined by SDS-PAGE

Characteristic
 Disulfide-linked homodimer
 Labeled with Alexa Fluor 488 via amines
 Excitation Wavelength: 488 nm
 Emission Wavelength: 515-545 nm

Storage Store at +4 centigrade.

Storage Buffer 10% Trehalose, 1% Human serum albumin

Reconstitution
 It is recommended that 0.5 mL of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4 centigrade is recommended, with longer-term storage in aliquots at -18 to -20 centigrade. Repeated freeze thawing is not recommended.

Conjugation Alexa Fluor 488

GENE INFORMATION

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

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Official Symbol	IL3RA
Synonyms	IL3RA; interleukin 3 receptor, alpha (low affinity); interleukin-3 receptor subunit alpha; CD123;
Gene ID	3563
mRNA Refseq	NM_002183
Protein Refseq	NP_002174
MIM	308385
UniProt ID	P26951

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