

# Recombinant Human IL3RA Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** IL3RA-29795THAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 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.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	19-302 a.a.
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>N-terminal Sequence Analysis</b>	TKEDPNPPITNLRMKAKAQQLTWDLNRNVTDIECVKDADY SMPAVNNSYCQFGAIS LCEVTNYTVRVANPPFSTWILF PENSGBKPWAGAENLTCWIHDVDFLSCSWAVGPG

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APADV QYDLYLVANRRQQYECLHYKTDAQGTRIGCRFDDISR LSSGSQSSHILVR  
 GRSAAFGIPCTDKFVVFSQIEILTP PNMTAKCNKTHSFMHWKMRSHFNKFRYELQI  
 QKRMQPVITEQVRDRTSFQLLNPGTYTVQIRARERVYEFLSAWSTP QRFECDQEE  
 GANTRGGRVDGIQWIPKVDKKVEPKSCDK THTCPPCPAPPELLGGPSVFLFPPKPKD  
 TLMISRTPEVT CVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNS TYRVVS  
 VLTVLHQDWLNGKEYKCRVSNKALPAPIEKTI SKAKGQPREPQVYTLPPSRDELTKN  
 QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDK SRW  
 QQGNVFSCSVMHEALHNHYTQKSLSLSPGK

**Purity** > 95 % as determined by SDS-PAGE

**Characteristic**  
 Disulfide-linked homodimer  
 Labeled with Alexa Fluor 647 via amines  
 Excitation = 650 nm  
 Emission = 668 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 647

## GENE INFORMATION

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

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

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