

Recombinant Cynomolgus Monkey IL3RA Protein, hIgG1-tagged

Cat. No. IL3RA-1578C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus Monkey IL3RA Protein with hIgG1 tag was expressed in HEK293.
Species	Cynomolgus
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.
Form	Lyophilized
Endotoxin	< 1 EU/µg (determined by the LAL method)
Purity	> 85 % by SDS-PAGE

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from 0.2 µm filtered solution in PBS buffer with 5 % trehalose and 5 % mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/mL.

GENE INFORMATION

Gene Name	IL3RA interleukin 3 receptor subunit alpha [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	IL3RA
Synonyms	IL3RA; interleukin 3 receptor subunit alpha; interleukin-3 receptor subunit alpha
Gene ID	106995138
mRNA Refseq	XM_028842961
Protein Refseq	XP_028698794
UniProt ID	G8F1N5

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**SDS-PAGE analysis
of purified IL3RA**