

Recombinant Human IL5RA protein, Fc-tagged

Cat. No. IL5RA-327H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL5RA protein (Asp21-Trp342), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	322
Description	Interleukin-5 receptor subunit alpha (IL5RA) is also known as IL-5 receptor subunit alpha, IL-5R subunit alpha and CD125, which is a single-pass type I membrane protein that belongs to the type I cytokine receptor family and type 5 subfamily. IL5R, a heterodimer of an alpha and a beta subunit, is expressed on eosinophils and basophils. IL5RA/CD125 is the receptor for interleukin-5 (IL5) and the alpha chain can bind to IL5. The WSXWS motif of IL5RA appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The beta subunit of IL5R is common to the IL3, IL5 and GM-CSF receptors.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 63.2 kDa. The protein migrates as 70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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Purity	>90% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

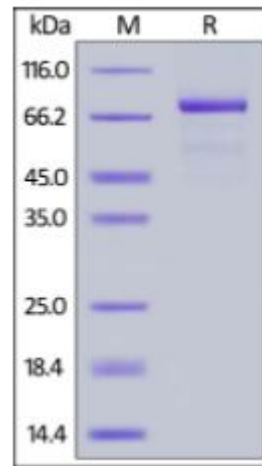
Gene Name	IL5RA
Official Symbol	IL5RA
Synonyms	IL5R; CD125; CDw125; HSIL5R3
Gene ID	3568
mRNA Refseq	NM_000564.4
Protein Refseq	NP_000555.2
MIM	147851
UniProt ID	Q01344

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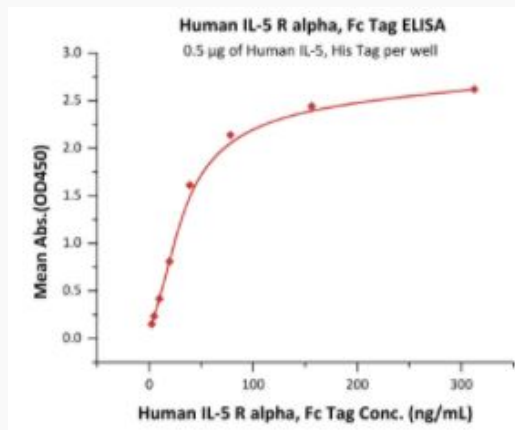
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SDS-PAGE of IL5RA-327H



Human IL5R alpha, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA of IL5RA-327H



Immobilized Human IL-5, His Tag at 5 µg/mL (100 µL/well) can bind Human IL-5 R alpha, Fc Tag with a linear range of 2-39 ng/mL (QC tested).

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