

Active Recombinant Human IL5RA protein, His-tagged

Cat. No. IL5RA-3834H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL5RA protein(NP_783852.1)(Met1-Arg335), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Arg335
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its binding ability in a functional ELISA.2. Immobilized recombinant mouse IL5-his at 5 µg/mL (100 µL/well) can bind biotinylated human IL5Ra-his with a linear range of 32-4000 ng/mL.3. Measured by its ability to inhibit IL5 dependent proliferation of TF1 human erythroleukemic cells. The ED50 for this effect is typically 0.7-2.8 µg/mL.
Molecular Mass	The recombinant human IL5Ra consists of 326 amino acids after removal of the signal peptide and has a predicted molecular mass of 37.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIL5Ra is approximately 45-50 kDa due to glycosylation.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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

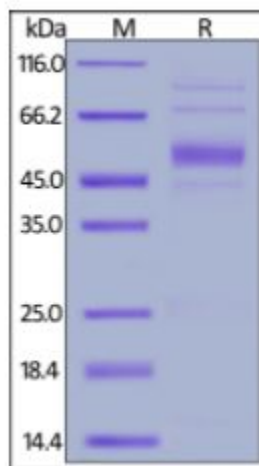
Gene Name	IL5RA interleukin 5 receptor, alpha [Homo sapiens]
Official Symbol	IL5RA
Synonyms	IL5RA; interleukin 5 receptor, alpha; IL5R; interleukin-5 receptor subunit alpha; CD125; CDw125; CD125 antigen; IL-5R subunit alpha; IL-5 receptor subunit alpha; interleukin 5 receptor type 3; interleukin-5 receptor alpha chain; HSIL5R3; MGC26560;
Gene ID	3568
mRNA Refseq	NM_000564
Protein Refseq	NP_000555
MIM	147851
UniProt ID	Q01344

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SDS-PAGE



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