

Active Recombinant Human IL5RA Membrane Protein, His-tagged

Cat. No. IL5RA-125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL5RA Membrane Protein(Q01344-1) (Met1-Trp342) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1.Immobilized Recombinant Human IL-5 Protein (Fc Tag) at 2 µg/mL (100 µL/well) can bind Recombinant Human IL-5R alpha Protein (Membrane-bound, His Tag), the EC50 is 60-220 ng/mL. 2.Loaded Recombinant Human IL-5R alpha Protein, Membrane-bound, His Tag on HIS1K Biosensor, can bind Recombinant Human IL-5 Protein with an affinity constant of 43.200 nM as determined in BLI assay (Sartorius Octet RED384). 3.Loaded Biotinylated Recombinant Human IL-5 Protein, His & AVI Tag on SA Biosensor, can bind Recombinant Human IL-5R alpha Protein, Membrane-bound, His Tag with an affinity constant of 17.800 nM as determined in BLI assay (Sartorius Octet RED384).
Molecular Mass	The recombinant Human IL5RA comprises 333 amino acids and has a predicted molecular mass of 38.23 kDa. It migrates as approximately 48.1 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

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	µg protein as determined by the LAL method.
Purity	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
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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