

Synonym

IL5Ra,CD125

Source

Biotinylated Human IL-5 R alpha Protein, Avitag,Fc Tag(ILA-H82F5) is expressed from human 293 cells (HEK293). It contains AA Asp 21 - Trp 342 (Accession # [Q01344-1](#)).
Predicted N-terminus: Gly

Molecular Characterization

Avi	Fc(Pro 100 - Lys 330) P01857	IL-5 R alpha(Asp 21 - Trp 342) Q01344-1
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This protein carries an Avi tag (Avitag™) at the N-terminus, followed by a human IgG1 Fc tag.

The protein has a calculated MW of 64.9 kDa. The protein migrates as 70-90 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

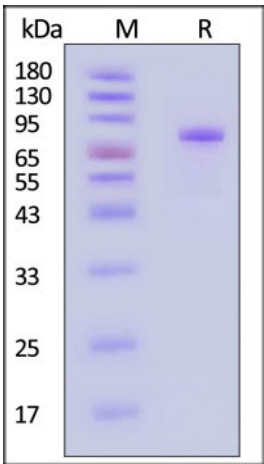
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

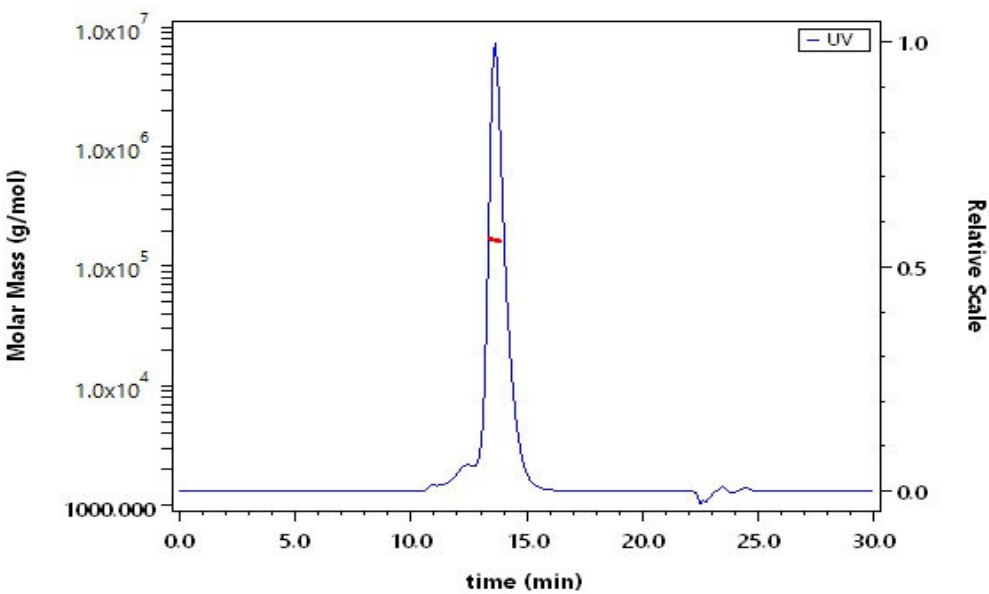
SDS-PAGE



Biotinylated Human IL-5 R alpha Protein, Avitag,Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

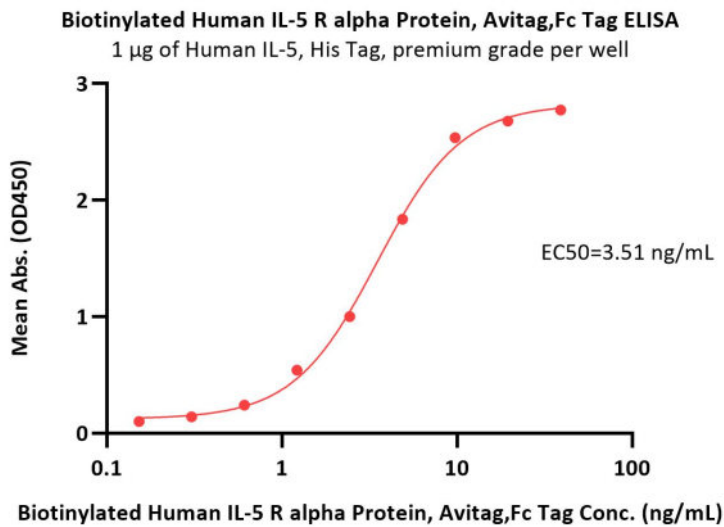
SEC-MALS



The purity of Biotinylated Human IL-5 R alpha Protein, Avitag,Fc Tag (Cat. No. ILA-H82F5) is more than 85% and the molecular weight of this protein is around 140-175 kDa verified by SEC-MALS.

[Report](#)





Immobilized Human IL-5, His Tag, premium grade (Cat. No. IL5-H52H3) at 10 µg/mL (100 µL/well) can bind Biotinylated Human IL-5 R alpha Protein, Avitag,Fc Tag (Cat. No. ILA-H82F5) with a linear range of 0.1-10 ng/mL (QC tested).

Background

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.

