

# Biotinylated Human IL-15RA/IL-15 R alpha/CD215 Protein

Cat. No. IL5-HM4RAB

## Description

<b>Source</b>	Recombinant Biotinylated Human IL-15RA/IL-15 R alpha/CD215 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ile31-Thr205.
<b>Accession</b>	Q13261-1
<b>Molecular Weight</b>	The protein has a predicted MW of 21.3 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Interleukin-15 receptor alpha (IL-15R alpha) is a high affinity IL-15 binding protein that is crucial for mediating IL-15 functions such as memory CD8 T cell proliferation and NK, NK/T cell, and intestinal intraepithelial lymphocyte development.

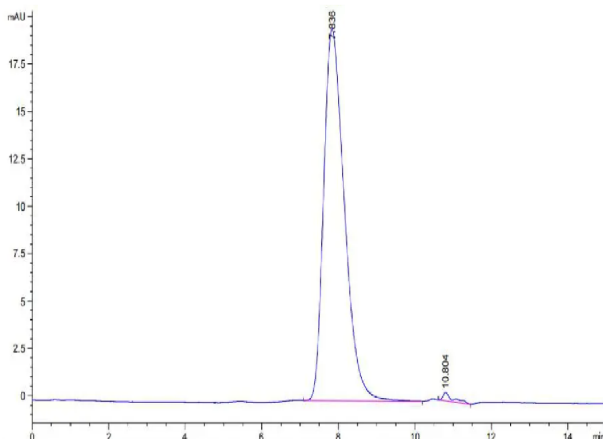
## Assay Data

### Tris-Bis PAGE



Biotinylated Human IL-15RA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



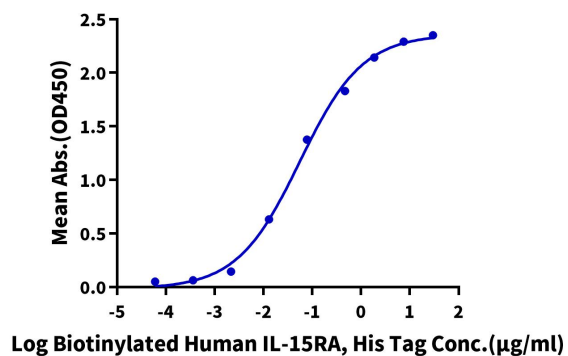
The purity of Biotinylated Human IL-15RA is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Biotinylated Human IL-15RA, His Tag ELISA**

0.2µg Human IL-15, No Tag Per Well



Immobilized Human IL-15 at 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human IL-15RA, His Tag with the EC50 of 55.8ng/ml determined by ELISA.