



Datasheet for ABIN7274890

IL-15/IL-15R (AA 31-108) protein (His tag,Biotin)



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2 Images

Overview

Quantity:	100 µg
Target:	IL-15/IL-15R
Protein Characteristics:	AA 31-108
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag,Biotin

Product Details

Purpose:	Biotinylated Human IL-15RA & IL-15 Protein (Primary Amine Labeling)
Sequence:	Ile31-Ser108 (IL-15RA) & Asn49-Ser162 (IL-15)
Specificity:	Uni-Prot: Q13261-1 (IL-15RA), P40933-1 (IL-15)
Characteristics:	Recombinant Biotinylated Human IL-15RA & IL-15 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus.It contains Ile31-Ser108(IL-15RA) & Asn49-Ser162(IL-15).
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-2 R beta&IL-2 R gamma, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-15RA&IL-15, His Tag with the EC50 of

Product Details

13.2ng/ml determined by ELISA. See testing image for detail.

Target Details

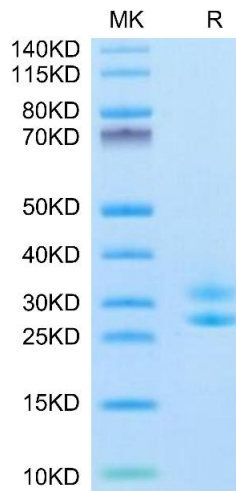
Target:	IL-15/IL-15R
Alternative Name:	IL-15RA&IL-15
Background:	Interleukin-15 receptor alpha (IL-15R alpha) is a high affinity IL-15 binding protein that is crucial for mediating IL-15 functions such as memory CD8 T cell proliferation and NK, NK/T cell, and intestinal intraepithelial lymphocyte development.
Molecular Weight:	23.8 kDa. Due to glycosylation, the protein migrates to 25-28 kDa&30-35 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months

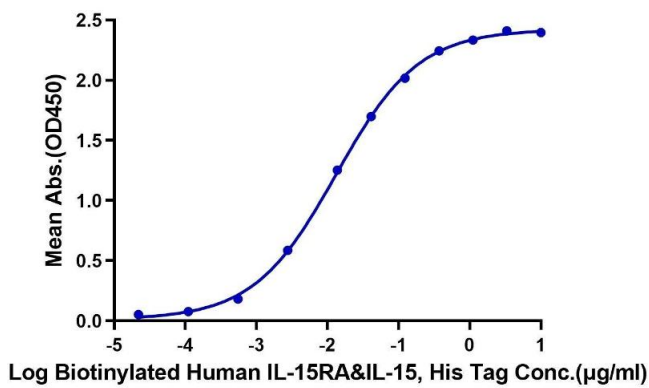


SDS-PAGE

Image 1. Biotinylated Human IL-15RA&IL-15 (Primary Amine Labeling) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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

0.1µg Human IL-2 R beta&IL-2 R gamma, hFc Tag Per Well



ELISA

Image 2. Immobilized Human IL-2 R beta&IL-2 R gamma, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human IL-15RA&IL-15, His Tag with the EC50 of 13.2 ng/mL determined by ELISA.