

Datasheet for ABIN7274917

IL-21 Protein (AA 32-162) (His-Avi Tag,Biotin)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL-21 (IL21)
Protein Characteristics:	AA 32-162
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-21 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human IL-21 Protein
Sequence:	Gln32-Ser162
Characteristics:	Recombinant Biotinylated Human IL-21 Protein is expressed from E.coli with His tag and Avi tag at the N-Terminus.It contains Gln32-Ser162.
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-21R, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human IL-21, His Tag with the EC50 of 3.5ng/ml determined by ELISA. See testing image for detail.

Target Details

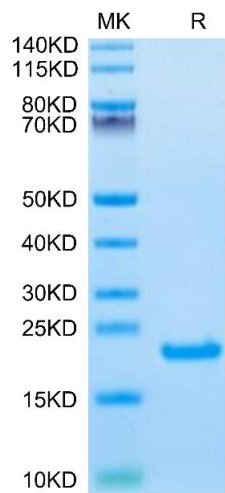
Target:	IL-21 (IL21)
Alternative Name:	IL-21 (IL21 Products)
Background:	Interleukin-21 (IL-21), produced predominantly by CD4 T cells and natural killer T (NKT) cells, is a newly discovered member of the common γ -chain family of cytokines. It has been implicated in many immunological processes and has been linked to autoimmune diseases, allergies and other inflammatory diseases.
Molecular Weight:	18.30 kDa same as Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response

Application Details

Restrictions:	For Research Use only
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Handling

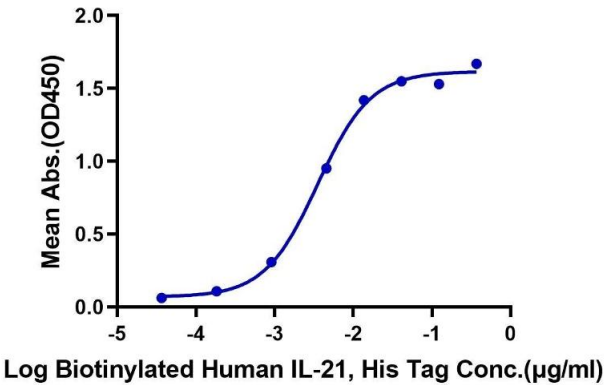
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g/mL}$ is recommended. Dissolve the lyophilized protein in 20 mM NaAc, 500 mM NaCl (pH 5.5).
Buffer:	Lyophilized from 0.22 μm filtered solution in 20 mM NaAc, 500 mM NaCl (pH 5.5). 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-21 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Human IL-21, His Tag ELISA
0.05µg Human IL-21R, hFc Tag Per Well



ELISA

Image 2. Immobilized Human IL-21R, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human IL-21, His Tag with the EC50 of 3.5 ng/mL determined by ELISA.