Biotinylated Human IL-21 Protein

Cat. No. IL2-HE421B

Description

Source	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.
Accession	Q9HBE4-1
Molecular Weight	The protein has a predicted MW of 18.30 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

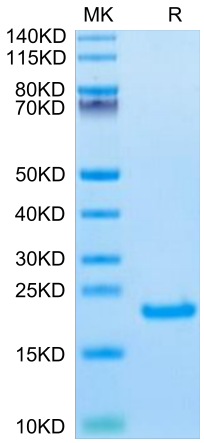
Formulation	Lyophilized from 0.22 μm filtered solution in 20mM NaAc, 500mM NaCl (pH 5.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 20mM NaAc, 500mM NaCl (pH 5.5).
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

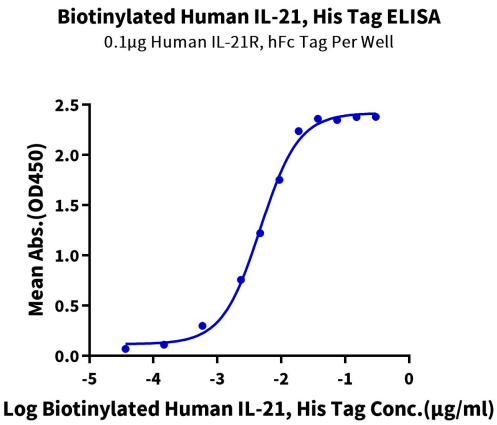
Assay Data

Bis-Tris PAGE



Biotinylated Human IL-21 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



Immobilized Human IL-21R, hFc Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Human IL-21, His Tag with the EC50 of 4.7ng/ml determined by ELISA (QC Test).