



[Go to Product page](#)

Datasheet for ABIN7275014

IL21 Receptor Protein (AA 20-232) (His tag)

3 Images

Overview

Quantity:	100 µg
Target:	IL21 Receptor (IL21R)
Protein Characteristics:	AA 20-232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL21 Receptor protein is labelled with His tag.

Product Details

Purpose:	Human IL-21R Protein
Sequence:	Cys20-Glu232
Characteristics:	Recombinant Human IL-21R Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys20-Glu232.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-21 at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-21R, His Tag with the EC50 of 24.3ng/ml determined by ELISA. See testing image for detail.

Target Details

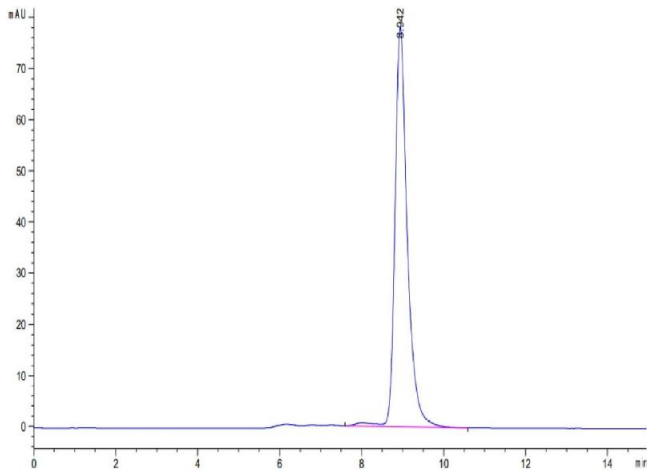
Target:	IL21 Receptor (IL21R)
Alternative Name:	IL-21R (IL21R Products)
Background:	IL-21 and IL-21R were highly expressed in the lesional skin and peripheral blood of psoriasis patients. IL-21 promoted CD4 T cells proliferation and Th17 cells differentiation and inhibiting Treg cells differentiation by upregulating ROR γ t expression and downregulating Foxp3 expression, with increased expression and secretion of IL-17A and IL-22. Microbial translocation and the associated immune activation during HIV-1 infection may lead to high expression levels of the IL-21R activation marker in RM B cells, a feature associated with increased apoptosis and a reduced number of these cells in the circulation.
Molecular Weight:	25.65 kDa. Due to glycosylation, the protein migrates to 43-50 kDa based on Tris-Bis PAGE result.
UniProt:	Q9HBE5
Pathways:	JAK-STAT Signaling

Application Details

Restrictions: For Research Use only

Handling

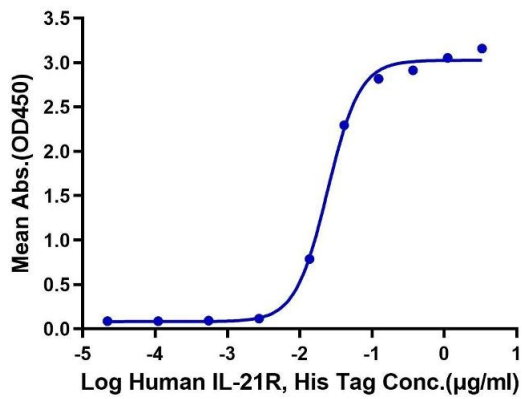
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human IL-21R is greater than 95 % as determined by SEC-HPLC.

Human IL-21R, His Tag ELISA
0.1µg Human IL-21, No Tag Per Well



ELISA

Image 2. Immobilized Human IL-21 at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-21R, His Tag with the EC50 of 24.3 ng/mL determined by ELISA.



SDS-PAGE

Image 3. Human IL-21R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .