

Datasheet for ABIN7275021

IL21 Receptor Protein (AA 20-236) (Fc Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL21 Receptor (IL21R)
Protein Characteristics:	AA 20-236
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL21 Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	Human IL-21R Protein
Sequence:	Cys20-Pro236
Characteristics:	Recombinant Human IL-21R Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Cys20-Pro236.
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, No Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-21R, hFc Tag with the EC50 of 63.6ng/ml determined by ELISA. See testing image for detail.

Target Details

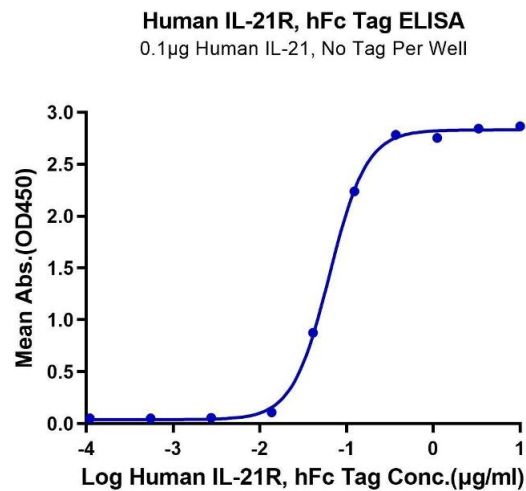
Target:	IL21 Receptor (IL21R)
Alternative Name:	IL-21R (IL21R Products)
Background:	IL-21 and IL-21R were highly expressed in the lesional skin and peripheral blood of psoriasis patients. IL-21 promoted CD4 T cells proliferation and Th17 cells differentiation and inhibiting Treg cells differentiation by upregulating RORyt 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:	51.8 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_068570
Pathways:	JAK-STAT Signaling

Application Details

Restrictions:	For Research Use only
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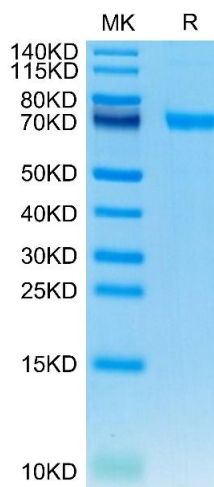
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 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



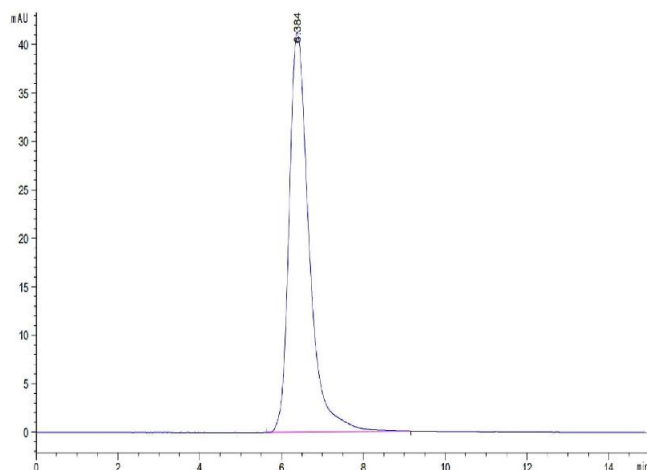
ELISA

Image 1. Immobilized Human IL-21, No Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-21R, hFc Tag with the EC₅₀ of 63.6 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human IL-21R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human IL-21R is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275021.