

Datasheet for ABIN7274916

**IL-21 Protein****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL-21 (IL21)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

## Product Details

Sequence:	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-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:	IL-21 (IL21)
Alternative Name:	IL-21 ( <a href="#">IL21 Products</a> )
Background:	Interleukin-21, IL-21, Za11, CVID11, 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

Target Details

	linked to autoimmune diseases, allergies and other inflammatory diseases.
Molecular Weight:	15.4 kDa same as Tris-Bis PAGE result.
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

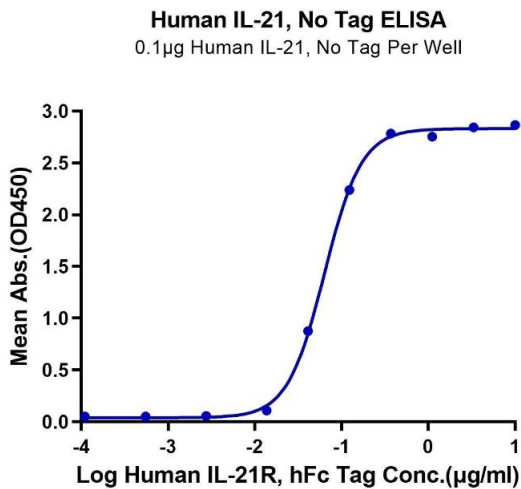
Application Details

Restrictions:	For Research Use only
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Handling

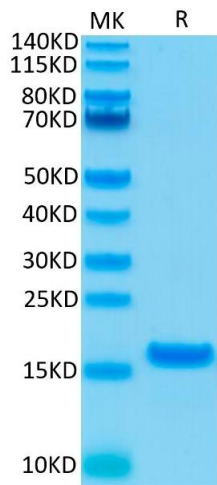
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in 20 mM NaAc, 150 mM NaCl ( pH 5.5).
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM NaAc, 150 mM NaCl ( pH 5.5). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



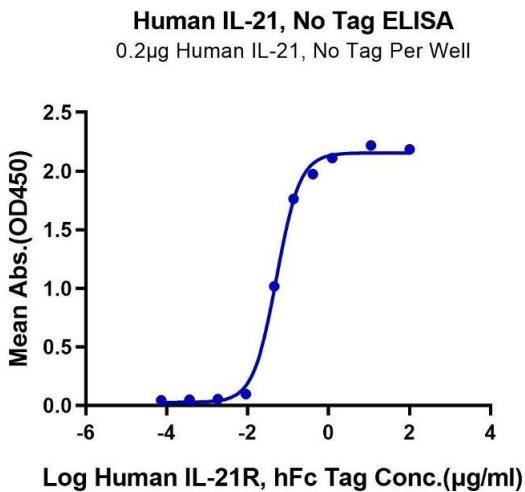
ELISA

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



ELISA

**Image 3.** Immobilized Human IL-21 at 2 µg/mL (100 µ L/Well) on the plate. Dose response curve for Human IL-21R, hFc Tag with the EC50 of 51.9 ng/mL determined by ELISA.