

Datasheet for ABIN7274913
IL-22 Protein (AA 34-179) (His tag)

3 Images

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Overview

Quantity:	100 µg
Target:	IL-22 (IL22)
Protein Characteristics:	AA 34-179
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-22 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus IL-22 Protein
Sequence:	Ala34-Ile179
Characteristics:	Recombinant Cynomolgus IL-22 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala34-Ile179.
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 Cynomolgus IL-22, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-22R alpha 1, hFc Tag with the EC50 of 0.37µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL-22 (IL22)
Alternative Name:	IL-22 (IL22 Products)
Background:	The cytokine interleukin-22 (IL-22) is a critical regulator of epithelial homeostasis. It has been implicated in multiple aspects of epithelial barrier function, including regulation of epithelial cell growth and permeability, production of mucus and antimicrobial proteins (AMPs), and complement production.
Molecular Weight:	17.69 kDa. Due to glycosylation, the protein migrates to 32-42 kDa based on Tris-Bis PAGE result.
UniProt:	G7PHZ7

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

Size-exclusion chromatography-High Pressure Liquid Chromatography

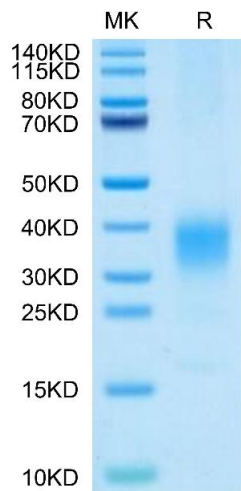
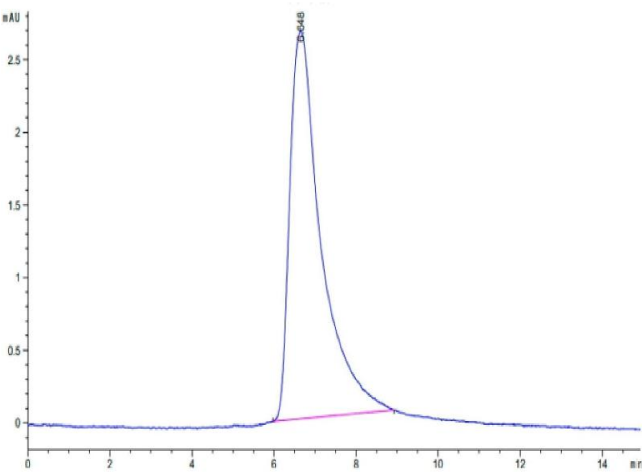
Image 1. The purity of Cynomolgus IL-22 is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 2. Cynomolgus IL-22 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

ELISA

Image 3. Immobilized Cynomolgus IL-22, His Tag at 1 μ g/mL (100 μ L/well) on the plate. Dose response curve for Human IL-22R alpha 1, hFc Tag with the EC50 of 0.37 μ g/mL determined by ELISA.



Cynomolgus IL-22, His Tag ELISA
0.1 μ g Cynomolgus IL-22, His Tag Per Well

