

Datasheet for ABIN7275008

**IL22 Receptor alpha 1 Protein (AA 18-225) (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	IL22 Receptor alpha 1 (IL22RA1)
Protein Characteristics:	AA 18-225
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL22 Receptor alpha 1 protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus IL-22R alpha 1 Protein
Sequence:	Pro18-Thr225
Characteristics:	Recombinant Cynomolgus IL-22R alpha 1 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Pro18-Thr225.
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.

## Target Details

Target:	IL22 Receptor alpha 1 (IL22RA1)
Alternative Name:	IL-22R alpha 1 ( <a href="#">IL22RA1 Products</a> )

## Target Details

**Background:** IL-22 receptor, also known as IL-22 R alpha 1 and CRF2-9, is an approximately 65 kDa transmembrane glycoprotein in the type II cytokine receptor family (CRF). Component of the receptor for IL20, IL22 and IL24. Component of IL22 receptor formed by IL22RA1 and IL10RB enabling IL22 signaling via JAK/STAT pathways. IL22 also induces activation of MAPK1/MAPK3 and Akt kinases pathways. Component of one of the receptor for IL20 and IL24 formed by IL22RA1 and IL20RB also signaling through STATs activation. Mediates IL24 antiangiogenic activity as well as IL24 inhibitory effect on endothelial cell tube formation and differentiation.

**Molecular Weight:** 24.84 kDa. Due to glycosylation, the protein migrates to 38-45 kDa based on Tris-Bis PAGE result.

**UniProt:** [A0A2K5TKX9](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

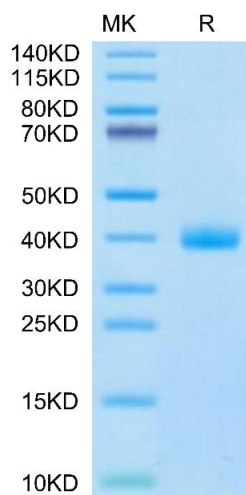
**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**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

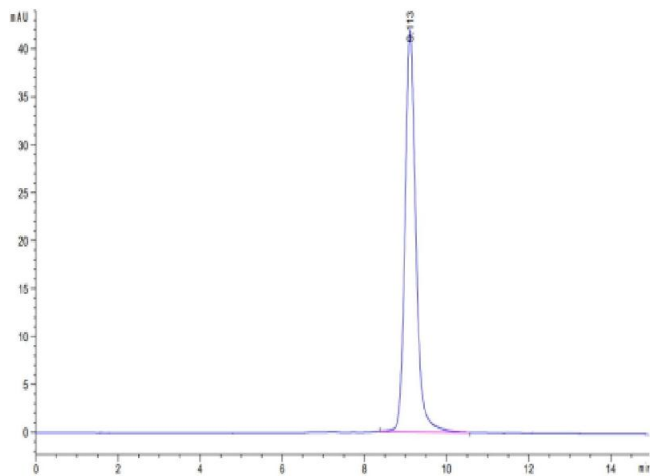
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



SDS-PAGE

**Image 1.** Cynomolgus IL-22R alpha 1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Cynomolgus IL-22R alpha 1 is greater than 95 % as determined by SEC-HPLC.