

# Cynomolgus IL-21R Protein

Cat. No. ILR-CM121



## Description

<b>Source</b>	Recombinant Cynomolgus IL-21R Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys41-Gly254.
<b>Accession</b>	G7Q0S8
<b>Molecular Weight</b>	The protein has a predicted MW of 25.70 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

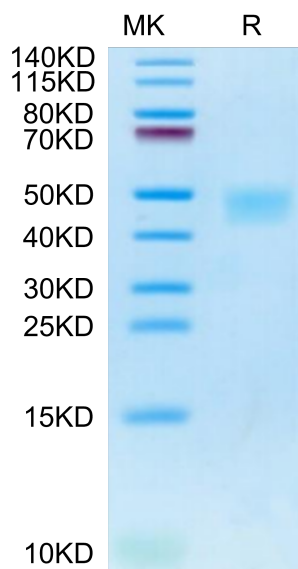
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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 RORγt 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.

## Assay Data

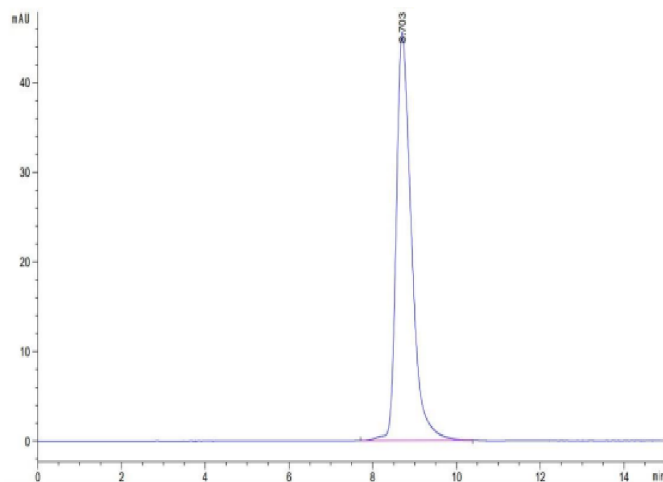
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data

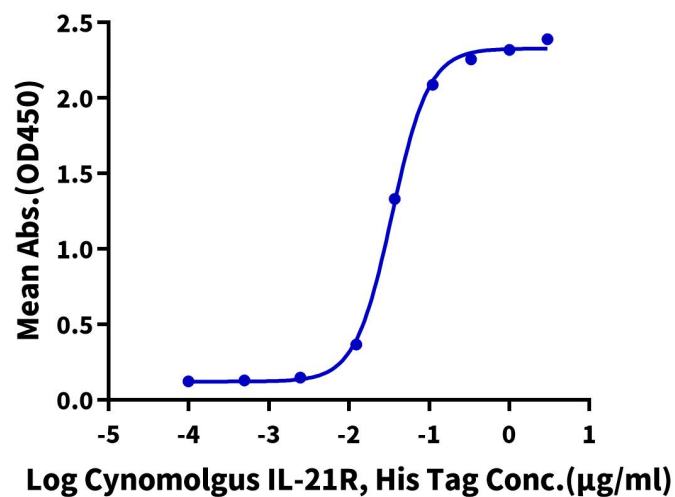


The purity of Cynomolgus IL-21R is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Cynomolgus IL-21R, His Tag ELISA**

0.2µg Human IL-21, No Tag Per Well



Immobilized Human IL-21 at 2µg/ml (100µl/well) on the plate. Dose response curve for Cynomolgus IL-21R, His Tag with the EC50 of 34.3ng/ml determined by ELISA.