

# Cynomolgus IL-13Ra1 Protein

Cat. No. ILR-CM1R1



## Description

<b>Source</b>	Recombinant Cynomolgus IL-13Ra1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala25-Thr341.
<b>Accession</b>	XP_005594500.1
<b>Molecular Weight</b>	The protein has a predicted MW of 37.59 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

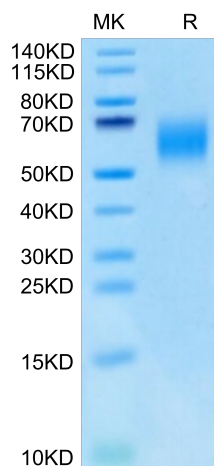
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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.

## Background

Two type 1 membrane proteins belonging to the hemopoietin receptor family have been cloned and shown to bind IL-13 with differing affinities. The lower affinity IL-13 binding protein, previously designated IL-13 R alpha, IL-13 R alpha ' or NR4, is now referred to as IL-13 R alpha 1. The high-affinity IL-13 binding protein, previously also designated IL-13 R or IL-13 R alpha ', is now referred to as IL-13 R alpha 2.

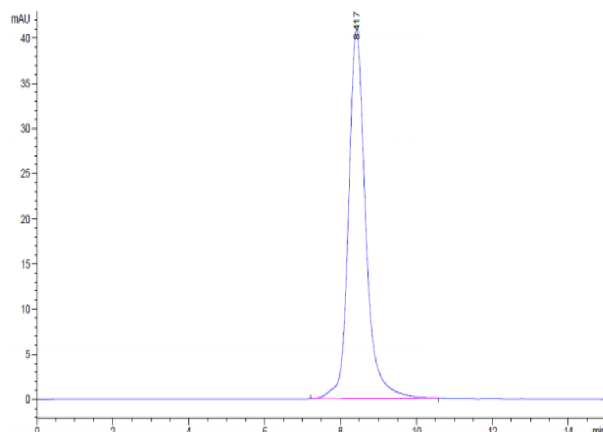
## Assay Data

### Tris-Bis PAGE



Cynomolgus IL-13Ra1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Cynomolgus IL-13Ra1 is greater than 95% as determined by SEC-HPLC.

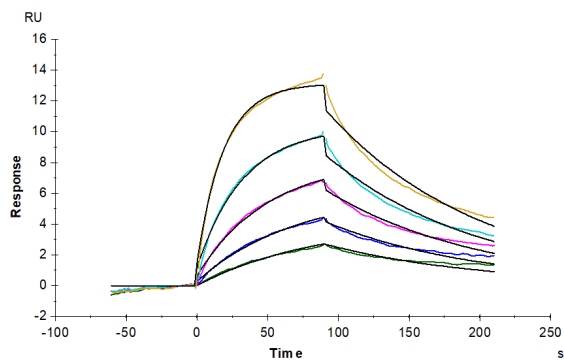
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### Assay Data

#### SPR Data



Cynomolgus IL-13Ra1, His Tag immobilized on CM5 Chip can bind Cynomolgus IL-13, His Tag with an affinity constant of 21.16 nM as determined in SPR assay (Biacore T200).