

# Cynomolgus IFN alpha/beta R2 Protein

Cat. No. IFN-CM1R2

## Description

<b>Source</b>	Recombinant Cynomolgus IFN alpha/beta R2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ile27-Lys243.
<b>Accession</b>	EHH53981.1
<b>Molecular Weight</b>	The protein has a predicted MW of 25.93 kDa. Due to glycosylation, the protein migrates to 43-60 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. -20 to -80°C for 3-6 months in unopened state 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

Although interferon (IFN)-α is known to exert immunomodulatory and antiproliferative effects on dendritic cells (DCs) through induction of protein-coding IFN-stimulated genes (ISGs), little is known about IFN-α-regulated miRNAs in DCs. Since several miRNAs are involved in regulating DC functions, it is important to investigate whether IFN-α's effects on DCs are mediated through miRNAs as well.

## Assay Data

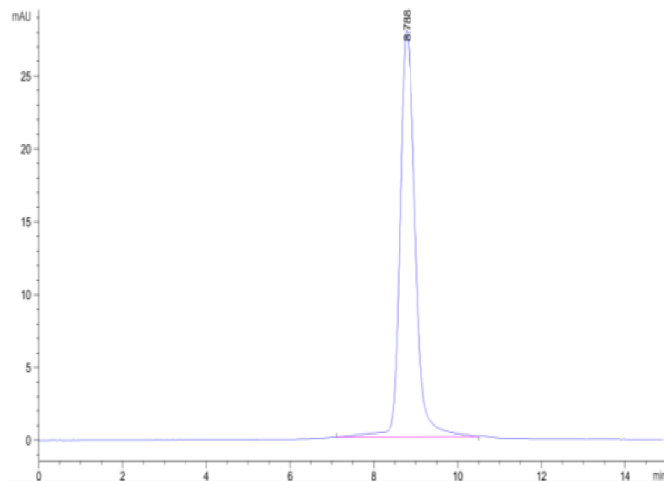
### Tris-Bis PAGE



Cynomolgus IFN alpha/beta R2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

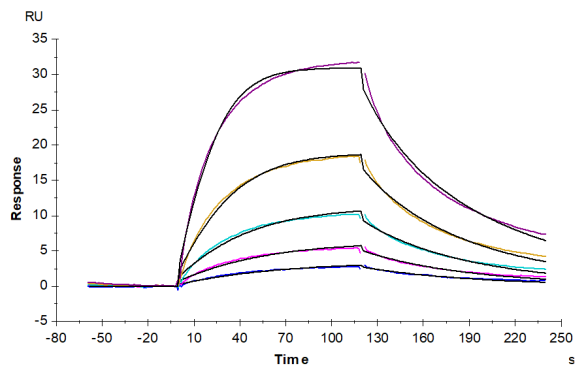
### SEC-HPLC

Assay Data



The purity of Cynomolgus IFN alpha/beta R2 is greater than 95% as determined by SEC-HPLC.

SPR Data



Cynomolgus IFN alpha/beta R2, His Tag captured on CM5 Chip via anti-his antibody can bind Human IFN alpha 1, hFc Tag with an affinity constant of 70.28 nM as determined in SPR assay (Biacore T200).