

# Cynomolgus IFN gamma/IFNG Protein

Cat. No. IFN-CM10G

## Description

<b>Source</b>	Recombinant Cynomolgus IFN gamma/IFNG Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln24-Gln165.
<b>Accession</b>	P63309
<b>Molecular Weight</b>	The protein has a predicted MW of 17.72 kDa. Due to glycosylation, the protein migrates to 25-35 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

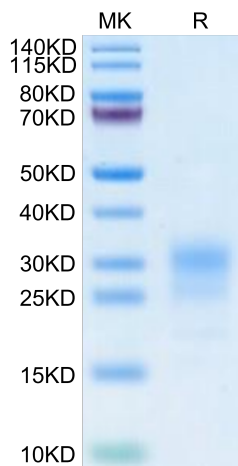
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

IFN-gamma and one of its receptor subunits, IFNGR1, are translocated to the nucleus, together with STAT1alpha as one macromolecular complex, via the classical importin-dependent pathway. Put IFN-gamma and its receptor subunit, IFNGR1, in direct contact with the promoter region of IFN-gamma-activated genes with associated increased activity, thus suggesting a transcriptional/cotranscriptional role for IFN-gamma/IFNGR1 as well as a possible role in determining the specificity of IFN-gamma action.

## Assay Data

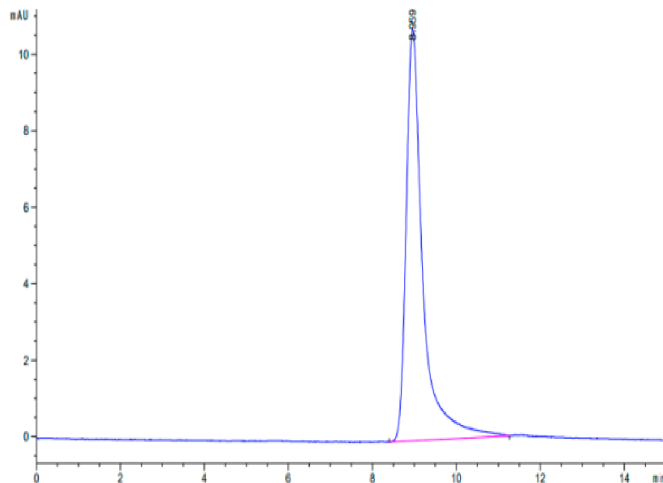
### Tris-Bis PAGE



Cynomolgus IFN gamma on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data

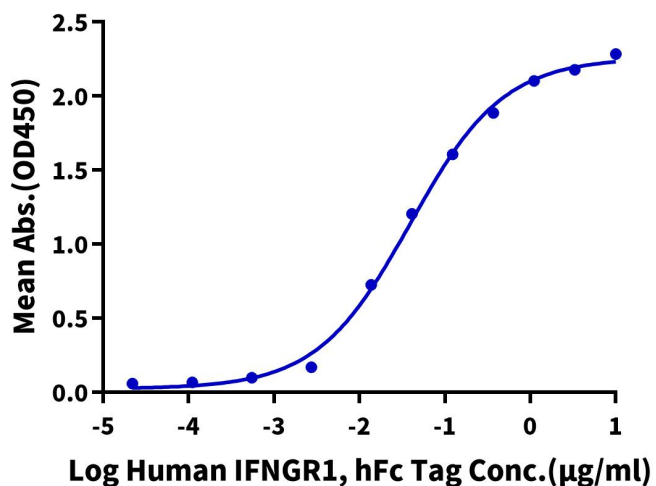


The purity of Cynomolgus IFN gamma is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Cynomolgus IFN gamma, His Tag ELISA**

0.05µg Cynomolgus IFN gamma, His Tag Per Well



Immobilized Cynomolgus IFN gamma, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human IFNGR1, hFc Tag with the EC50 of 39.4ng/ml determined by ELISA.