

# Biotinylated Mouse IFN alpha/beta R2 Protein

Cat. No. IFN-MM1R2B

## Description

<b>Source</b>	Recombinant Biotinylated Mouse IFN alpha/beta R2 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Ser22-Ala242.
<b>Accession</b>	O35664-1
<b>Molecular Weight</b>	The protein has a predicted MW of 28.34 kDa. Due to glycosylation, the protein migrates to 50-70 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

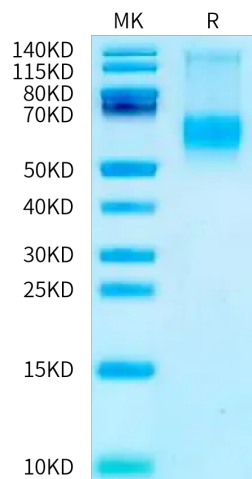
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

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



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

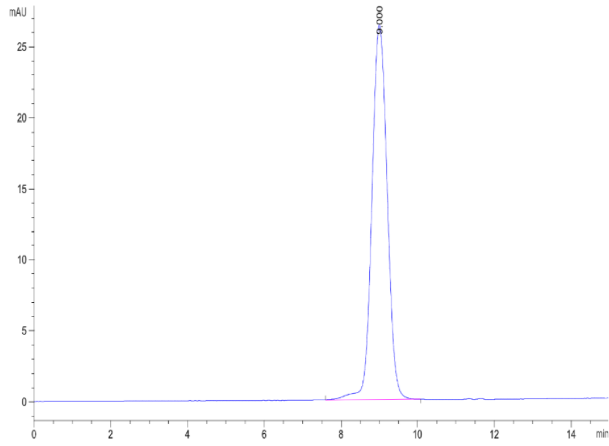
### SEC-HPLC

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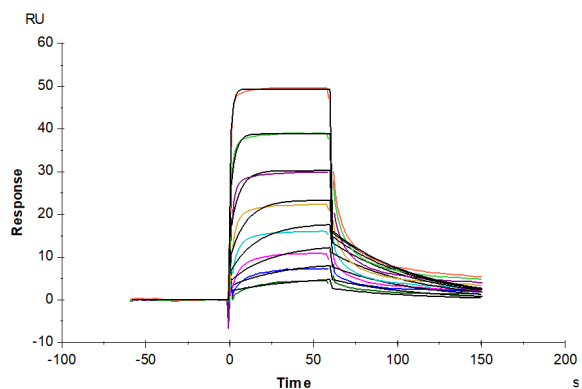
## Assay Data



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

Assay Data

SPR Data



Biotinylated Mouse IFN alpha/beta R2, His-Avi Tag captured on CM5 Chip via anti-his antibody can bind Mouse IFN alpha 1, hFc Tag with an affinity constant of 24.31 nM as determined in SPR assay (Biacore T200).