

Human IFN alpha/beta R2 Protein

Cat. No. IFN-HM10R

Description

Source	Recombinant Human IFN alpha/beta R2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ile27-Lys243.
Accession	P48551-2
Molecular Weight	The protein has a predicted MW of 25.8 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

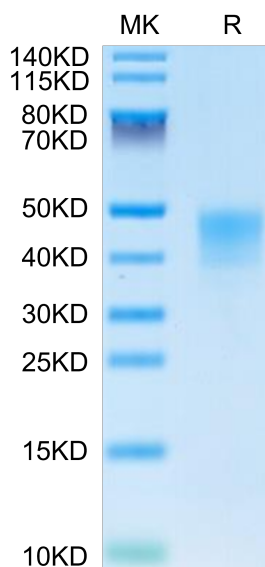
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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

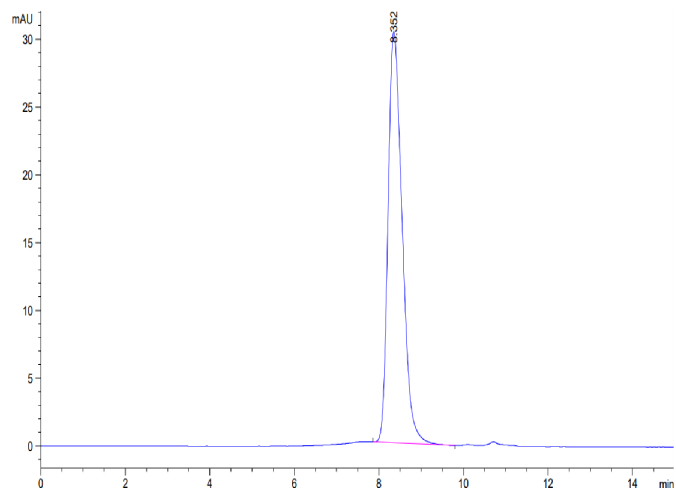
Bis-Tris PAGE



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

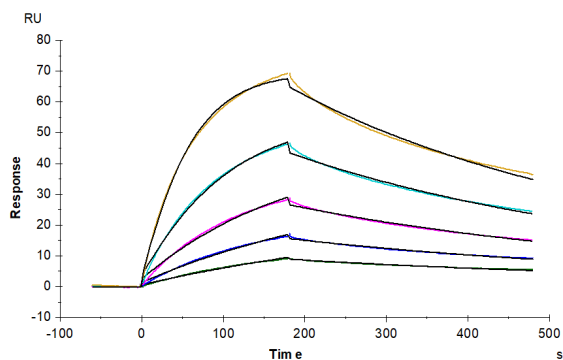
SEC-HPLC

Assay Data



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

SPR Data



Human 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 11.90 nM as determined in SPR assay (Biacore T200).