

Cynomolgus IFN alpha/beta R2 Protein, Ultra Low Endotoxin



Cat. No. IFN-CM1R2-UL

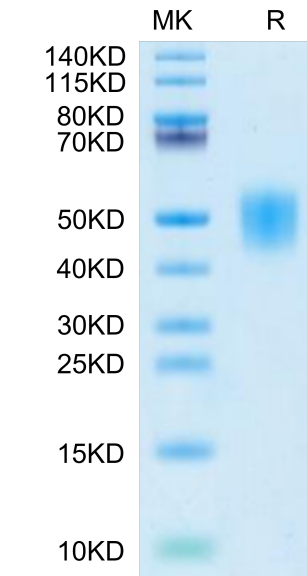
Description	
Source	Recombinant Cynomolgus IFN alpha/beta R2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ile27-Lys243.
Accession	EHH53981.1
Molecular Weight	The protein has a predicted MW of 25.93 kDa. Due to glycosylation, the protein migrates to 43-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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

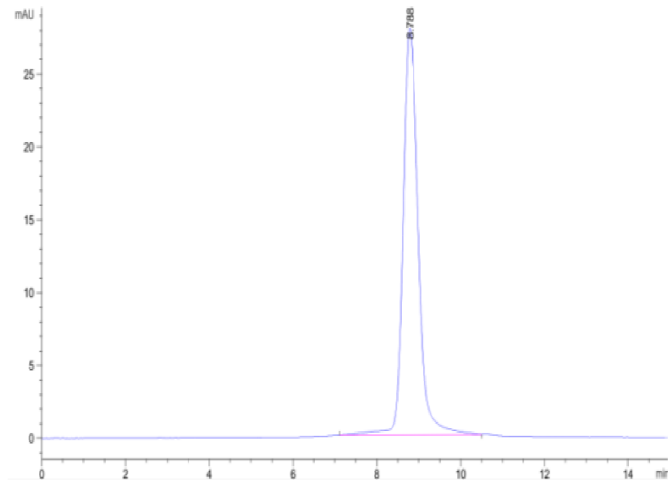
Bis-Tris PAGE



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

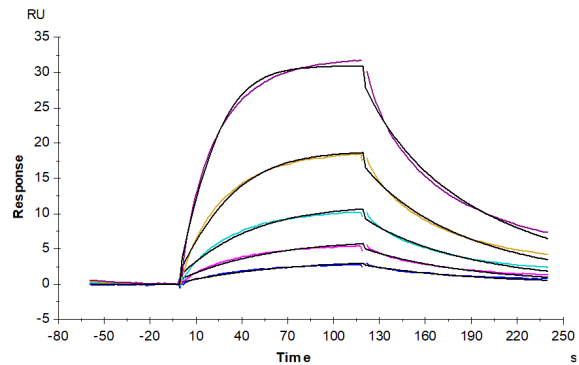
SEC-HPLC

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).