Human IFN gamma R1/IFNGR1 Protein

Cat. No. IFN-HM2GR

Description

Source	Recombinant Human IFN gamma R1/IFNGR1 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Glu18-Gly245.
Accession	AAH05333
Molecular Weight	The protein has a predicted MW of 52.4 kDa. Due to glycosylation, the protein migrates to 60-75 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

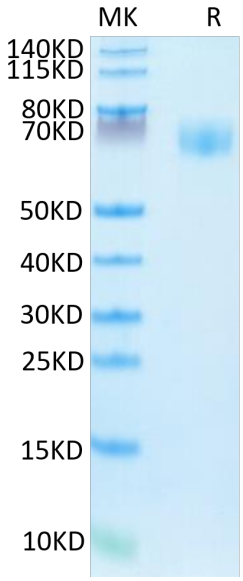
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 24 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

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

Bis-Tris PAGE



Human IFNGR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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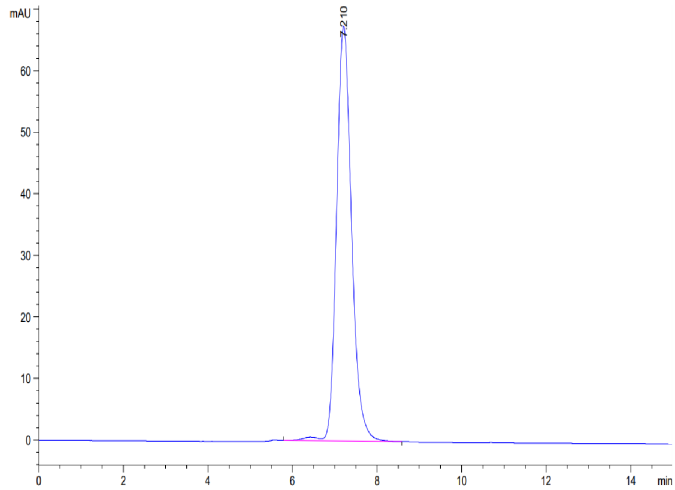
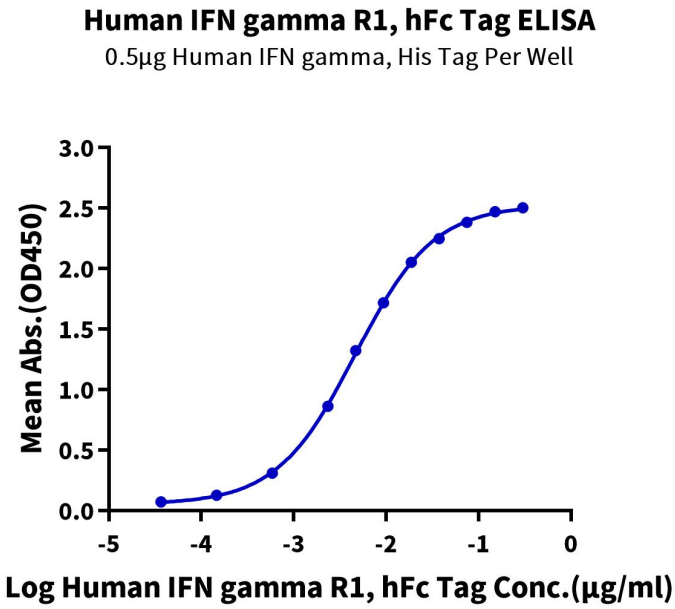
Assay Data



The purity of Human IFN gamma R1 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human IFN gamma, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Human IFN gamma R1, hFc Tag with the EC50 of 4.6ng/ml determined by ELISA.