

Synonym

IFNAR2,IFNARB,IFNABR,IFN-R-2,IFN-alpha,beta receptor 2

Source

Human IFNAR2, His Tag(IF2-H5224) is expressed from human 293 cells (HEK293). It contains AA Ile 27 - Lys 243 (Accession # [P48551-2](#)).
Predicted N-terminus: Ile 27

Molecular Characterization

IFNAR2(Ile 27 - Lys 243)
P48551-2

Poly-his

This protein carries a polyhistidine tag at the C-terminus.
The protein has a calculated MW of 25.8 kDa. The protein migrates as 34-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

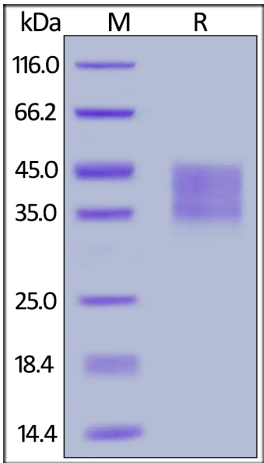
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

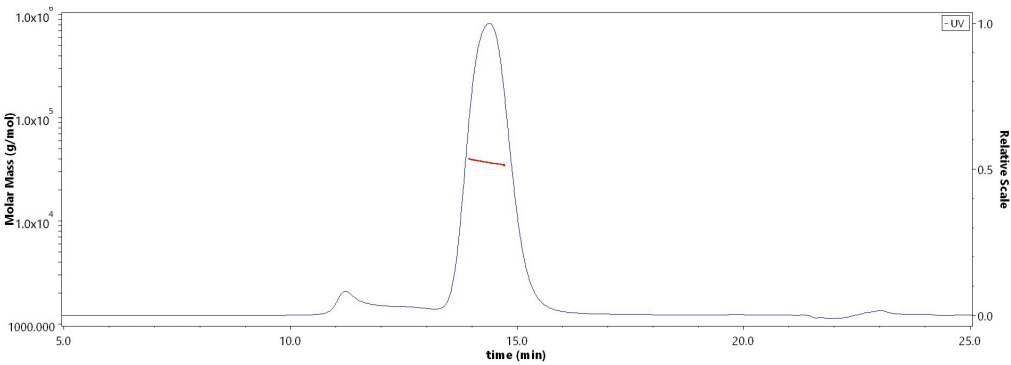
SDS-PAGE



Human IFNAR2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-SPR

SEC-MALS



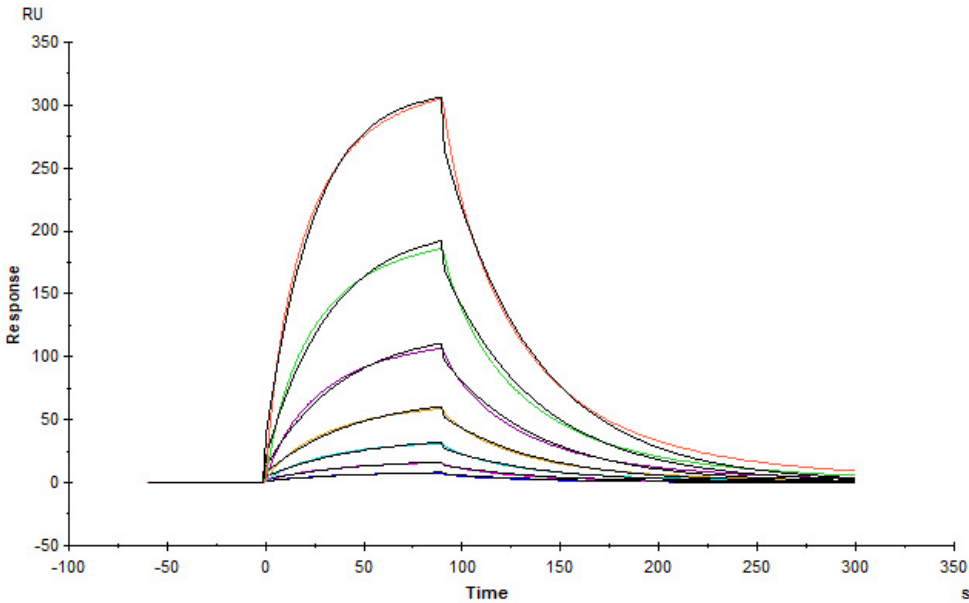
The purity of Human IFNAR2, His Tag (Cat. No. IF2-H5224) is more than 85% and the molecular weight of this protein is around 32-42 kDa verified by SEC-MALS.

[Report](#)



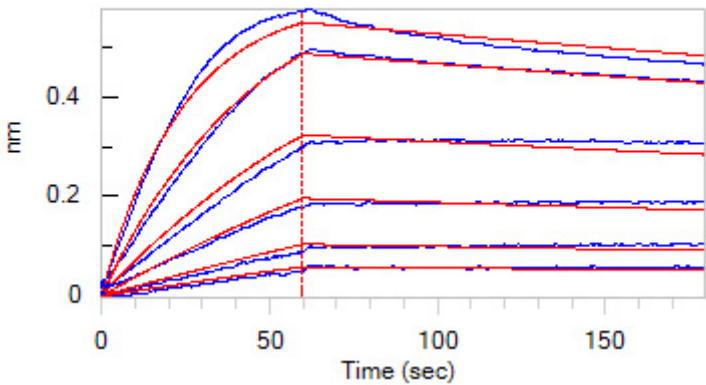
Human IFN-alpha/beta R2 Protein, His Tag (MALS verified)

Catalog # IF2-H5224



Human IFN-alpha 2b Protein, Fc Tag (Cat. No. IFB-H5253) immobilized on CM5 Chip can bind Human IFNAR2, His Tag (Cat. No. IF2-H5224) with an affinity constant of 0.257 μ M as determined in SPR assay (Biacore T200) (Routinely tested).

Bioactivity-BLI



Loaded Human IFNAR2, His Tag (Cat. No. IF2-H5224) on HIS1K Biosensor, can bind Human IFN-alpha 1, Fc Tag (Cat. No. IFA-H5258) with an affinity constant of 2.67 nM as determined in BLI assay (ForteBio Octet Red96e) (QC tested).

Background

Interferon alpha/beta receptor 2 (IFNAR2) is also known as IFN-alpha binding protein, IFN-alpha/beta receptor 2, Type I interferon receptor 2, IFNABR and IFNARB, which is a single-pass type I membrane protein and belongs to the type II cytokine receptor family. IFNAR2 can associate with IFNAR1 to form the type I interferon receptor. IFNAR2 is a receptor for interferons alpha and beta. IFNAR2 involves in IFN-mediated STAT1, STAT2 and STAT3 activation. Isoform 1 and isoform 2 of IFNAR2 are directly involved in signal transduction due to their association with the TYR kinase, JAK1. Isoform 3 of IFNAR2 is a potent inhibitor of type I IFN receptor activity. Genetic variations in IFNAR2 influence susceptibility to hepatitis B virus (HBV) infection.

