

Datasheet for ABIN7274850

IFNA Protein (His-Avi Tag,Biotin)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IFNA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNA protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Lys28-Lys436
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Anti-IFNAR1 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IFNAR1, His Tag with the EC50 of 2.5ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IFNA
Alternative Name:	IFN alpha (IFNA Products)
Background:	AVP, IFN-alpha/beta R1, IFN-alpha-REC, IFNAR, IFNAR1, IFN-aR1, IFNBR, IFNbR1, IFN-R-1, CRF2-1, IFRC,IFN-alpha / beta R1, also known as IFNAR1, belongs to the class II cytokine

Target Details

receptor family of proteins. Class II cytokine receptors form heterodimeric receptor complexes that mediate class II cytokine signals. Subunits of the different receptor complexes are shared and serve multiple functions. Functions in general as heterodimer with IFNAR2. Type I interferon binding activates the JAK-STAT signaling cascade, and triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and the IFNR alpha- and beta-subunits themselves.

Molecular Weight: 50.2 kDa. Due to glycosylation, the protein migrates to 75-100 kDa based on Tris-Bis PAGE result.

Pathways: [JAK-STAT Signaling](#), [TLR Signaling](#), [Hepatitis C](#), [Inflammasome](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

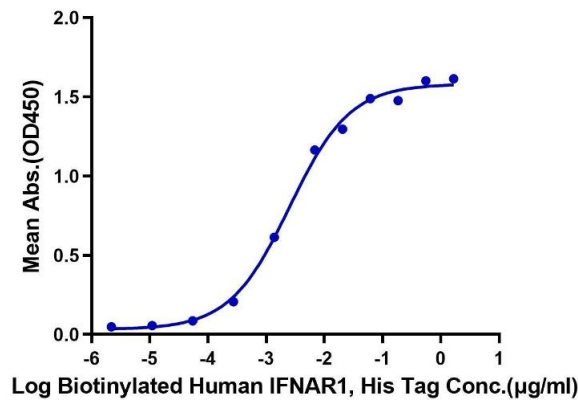
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

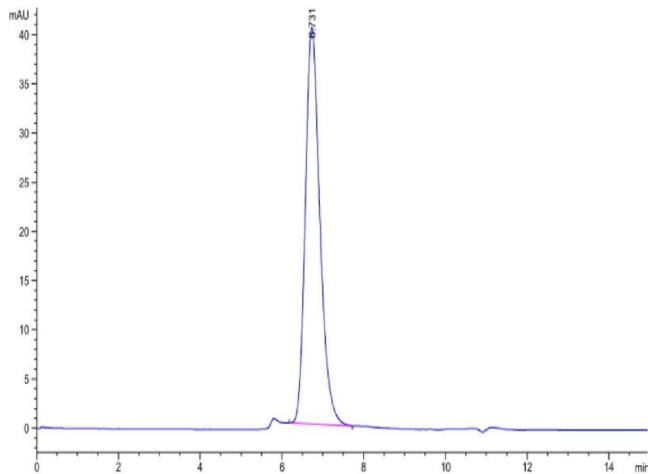
Expiry Date: 12 months

Biotinylated Human IFNAR1, His Tag ELISA
0.05µg Anti-IFNAR1 Antibody, hFc Tag Per Well



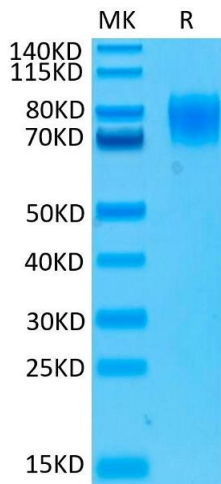
ELISA

Image 1. Immobilized Anti-IFNAR1 Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human IFNAR1, His Tag with the EC50 of 2.5 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human IFNAR1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human IFNAR1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274850.