

Datasheet for ABIN7274852

IFNA Protein (AA 27-429) (Fc Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IFNA
Protein Characteristics:	AA 27-429
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNA protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse IFN alpha/beta R1 Protein
Sequence:	Glu27-Thr429
Characteristics:	Recombinant Mouse IFN alpha/beta R1 Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Glu27-Thr429.
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.

Target Details

Target:	IFNA
Alternative Name:	IFN alpha (IFNA Products)

Target Details

Background:	IFN-alpha / beta R1, also known as IFNAR1, belongs to the class II cytokine 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:	72.5 kDa. Due to glycosylation, the protein migrates to 83-110 kDa based on Tris-Bis PAGE result.
UniProt:	P33896
Pathways:	JAK-STAT Signaling , TLR Signaling , Hepatitis C , Inflammasome

Application Details

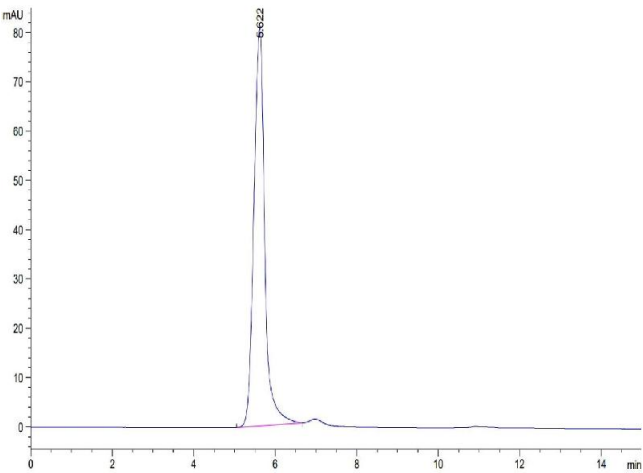
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. 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:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse IFNAR1/IFN-alpha/beta R1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse IFNAR1/IFN-alpha/beta R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.

