

[Go to Product page](#)

Datasheet for ABIN7454143

IFNA Protein (AA 25-437) (His tag)

Overview

Quantity:	100 µg
Target:	IFNA
Protein Characteristics:	AA 25-437
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNA protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus IFN alpha/beta R1 Protein
Sequence:	Ala25-Lys437
Characteristics:	Recombinant Cynomolgus IFN alpha/beta R1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala25-Lys437.
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 Cynomolgus IFNAR1, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-IFNAR1 Antibody, hFc Tag with the EC50 of 0.16µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IFNA
Alternative Name:	IFN alpha (IFNA Products)
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:	48.54 kDa. Due to glycosylation, the protein migrates to 75-105 kDa based on Tris-Bis PAGE result.
UniProt:	A0A7N9D7J0
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