Datasheet for ABIN7535547

IFNA2 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	IFNA2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IFNA2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human IFN-alpha 2 Protein
Sequence:	CDLPQTHSLG SRRTLMLLAQ MRKISLFSCL KDRHDFGFPQ EEFGNQFQKA ETIPVLHEMI QQIFNLFSTK DSSAAWDETL LDKFYTELYQ QLNDLEACVI QGVGVTETPL MKEDSILAVR KYFQRITLYL KEKKYSPCAW EVVRAEIMRS FSLSTNLQES LRSKE
Specificity:	Cys24-Glu188
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Biological Activity Comment:	1.Measured by its binding ability in a functional ELISA.Immobilized Human IFNA2 at 2 µg/mL (100 µL/well) can bind Human IFNAR2 with a linear range of 0.2-617ng/mL.|2.Recombinant human IFN-α2 (10 ng/mL) was used to treat HCT116 cells. Western-blot result showed that both the level of phosphorylated STAT1 and STAT3 were increased, indicating the stimulation was successful.(Customer Feedback Data)

Target Details

Target:	IFNA2
Alternative Name:	IFN-alpha 2 (IFNA2 Products)
Background:	Description: IFNA2 (Interferon Alpha 2) is a Protein Coding gene. This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded protein is a cytokine produced in response to viral infection. Type I Interferons (IFNs) are well-known cytokines that exert antiviral activity, antitumor activity, and immunomodulatory effects. Interferon tau (IFNT), a type I IFN similar to alpha IFNs (IFNA), is the pregnancy recognition signal produced by the ruminant conceptus. Among the IFN-α genes, a total of 28 different sequence variants have been described. The three principal subtypes of IFNα-2 are designated α-2a, α-2b, and α-2c. IFNα-2b is being the predominant allele while IFNα-2a is less predominant and IFNα-2c only a minor allelic variant. Name: IFNA2, IFN-alphaA, IFNA, IFNA2B, INFA2, interferon alpha-2,Interferon alpha 2 (IFN-α2), IFN-alphaA,IFNA,IFNA2B,INFA2
Gene ID:	3440
UniProt:	P01563
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, Hepatitis C

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.