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## Datasheet for ABIN7520113 IFNA2 Protein

### Overview

Quantity:	10 µg
Target:	IFNA2
Origin:	Mouse
Source:	Yeast (Pichia pastoris)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Mouse IFN-alpha 2 Protein
Sequence:	CDLPHTYNLR NKRALKVLAQ MRRLPFLSCL KDRQDFGFPL EKVDNQQIQK AQAIPVLRDL TQQTNLNFTS KASSAAWNAT LLDSFCNDLH QQLNDLQTCL MQQVGVEPP LTQEDALLAV RKYFHRITVY LREKKHSPCA WEVVRAEVWR ALSSSVNLLP RLSEEKE
Specificity:	Cys24-Glu190
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1EU/µg

### Target Details

Target:	IFNA2
Alternative Name:	IFN-alpha 2 ( <a href="#">IFNA2 Products</a> )
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

## Target Details

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- $\alpha$  genes, a total of 28 different sequence variants have been described. The three principal subtypes of IFN $\alpha$ -2 are designated  $\alpha$ -2a,  $\alpha$ -2b, and  $\alpha$ -2c. IFN $\alpha$ -2b is being the predominant allele while IFN $\alpha$ -2a is less predominant and IFN $\alpha$ -2c only a minor allelic variant.

Name: IFNA2, IFN-alphaA, IFNA, IFNA2B, INFA2, interferon alpha-2, Interferon alpha 2 (IFN- $\alpha$ 2), IFN-alphaA, IFNA, IFNA2B, INFA2

Gene ID:	15965
UniProt:	<a href="#">P01573</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Hepatitis C</a>

## Application Details

Restrictions:	For Research Use only
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## 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 vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	0.62 mg/mL
Buffer:	Lyophilized from a 0.22 $\mu$ m 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 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.