

Datasheet for ABIN7505576

**IFNA1 Protein (AA 24-189) (His tag)**[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IFNA1
Protein Characteristics:	AA 24-189
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNA1 protein is labelled with His tag.

## Product Details

Sequence:	Cys24-Glu189
Characteristics:	Recombinant Human Interferon alpha-1 is produced by our Mammalian expression system and the target gene encoding Cys24-Glu189 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	IFNA1
Alternative Name:	Interferon alpha-1 ( <a href="#">IFNA1 Products</a> )
Background:	Abbreviation: Interferon α-1,IFNA1 Target Synonym: Interferon alpha-1/13,IFN-alpha-1/13,Interferon alpha-D,LeIF D,IFNA1,IFNA13 Background: Interferon alpha-1/13(IFN-alpha-1/13 for short), also known as Interferon alpha-D,

## Target Details

is a secreted protein which belongs to the alpha/beta interferon family. It is produced by macrophages. IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. IFN-alpha exerts a variety of other biological effects, including antitumor and immunomodulatory activities and are increasingly used clinically to treat a range of malignancies, myelodysplasias and autoimmune diseases.

Molecular Weight: Calculated MW: 20.4 kDa  
Observed MW: 17 kDa

UniProt: [P01562](#)

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

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from a 0.2 um filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months