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Datasheet for ABIN1880639

**IFNA4 Protein (AA 24-189) (His tag)**

## Overview

Quantity:	50 µg
Target:	IFNA4 (IFNα4)
Protein Characteristics:	AA 24-189
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNA4 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Interferon α-4/IFNA4 (C-6His)
Sequence:	CDLPQTHSLG NRRALILLAQ MGRISHFSCL KDRHDFGFPE EEFDGHQFQK TQAISVLHEM IQQTFNLFST EDSSAAWEQS LLEKFSTELY QQLNDLEACV IQEVGVEETP LMNEDSILAV RKYFQRITLY LTEKKYSPCA WEVRAEIMR SLSFSTNLQK RLRRKDVDHH HHHH
Characteristics:	Recombinant Human Interferon alpha-4/IFNA4 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Cys24-Asp189) of Human IFNA4 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	IFNA4 (IFNa4)
Alternative Name:	Interferon alpha-4/IFNA4 ( <a href="#">IFNa4 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. They allow for communication between cells to trigger the protective defenses of the immune system that eradicate pathogens or tumors. They are typically divided among three IFN classes: Type I, Type II and Type III. IFNA4 is a secreted protein and produced by macrophages. Two variants of IFNA4 (IFNA4a and IFNA4b) are known, which differ from each other by changes in their coding regions at nucleotide positions 220 and 410 .</p> <p>Alternative Names: Interferon alpha-4(IFNA4), also known as Interferon alpha-4B, Interferon alpha-76 and Interferon alpha-M1, belongs to the alpha/beta interferon family.</p>
Molecular Weight:	20.4 kDa
UniProt:	<a href="#">P05014</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Hepatitis C</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
Expiry Date:	3 months