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Datasheet for ABIN7454144

**IFNA Protein (AA 27-243) (His tag)**

## Overview

Quantity:	100 µg
Target:	IFNA
Protein Characteristics:	AA 27-243
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 R2 Protein
Sequence:	Ile27-Lys243
Characteristics:	Recombinant Cynomolgus IFN alpha/beta R2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ile27-Lys243.
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:	The affinity constant of 70.28 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	IFNA
Alternative Name:	IFN alpha ( <a href="#">IFNA Products</a> )
Background:	Although interferon (IFN)- $\alpha$ is known to exert immunomodulatory and antiproliferative effects on dendritic cells (DCs) through induction of protein-coding IFN-stimulated genes (ISGs), little is known about IFN- $\alpha$ -regulated miRNAs in DCs. Since several miRNAs are involved in regulating DC functions, it is important to investigate whether IFN- $\alpha$ 's effects on DCs are mediated through miRNAs as well.
Molecular Weight:	25.93 kDa. Due to glycosylation, the protein migrates to 43-60 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Hepatitis C</a> , <a href="#">Inflammasome</a>

## 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 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu$ m 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