Datasheet for ABIN7274851

IFNA1 Protein (AA 24-189) (Fc Tag)

1 Image

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Overview

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

Product Details

Purpose:	Mouse IFN alpha 1 Protein
Sequence:	Cys24-Lys189
Characteristics:	Recombinant Mouse IFN alpha 1 Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Cys24-Lys189.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	IFNA1
Alternative Name:	IFN alpha 1 (IFNA1 Products)

Target Details

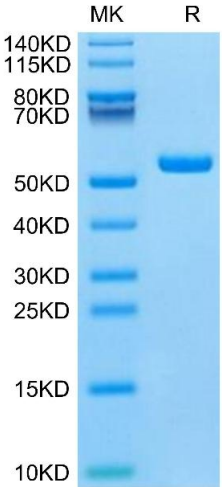
Background:	IFN-α, a cytokine expressed in human islets from individuals affected by type 1 diabetes, plays a key role in the pathogenesis of diabetes by upregulating inflammation, endoplasmic reticulum (ER) stress and MHC class I overexpression, three hallmarks of islet histology in early type 1 diabetes.
Molecular Weight:	45.88 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
UniProt:	P01572
Pathways:	JAK-STAT Signaling, Hepatitis C

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm 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



SDS-PAGE

Image 1. Mouse IFN alpha 1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .