Datasheet for ABIN7596387

IFNA1 Protein (AA 24-189) (His tag)

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Overview

Quantity:	500 µg
Target:	IFNA1
Protein Characteristics:	AA 24-189
Origin:	Pig
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNA1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	CDLPQT HSLAHTRALR LLAQMRRISP FSCLDHRRDF GSPHEAFGGN QVQKAQAMAL VHEMLQQTFQ LFSTEGSAAA WNESLLHQFC TGLDQQLRDL EACVMQEAGL EGTPLLEEDS ILAVRKYFHR LTLYLQEKSY SPCAWEIVRA EVMRSFSSSR NLQDRLRKKE
Purity:	> 90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	IFNA1
Alternative Name:	IFN-alpha 1/IFNA1 (IFNA1 Products)
Background:	IFN-alpha 1, also known as Interferon alpha-1, belongs to a family of cytokines with potent antiviral , antiproliferative and immunomodulatory properties. IFNs were originally discovered

Target Details

	as molecules that could reduce the ability of a normal virus to infect cells, a process called viral interference. IFNs have been classified into two major types of IFNs, type I and type II, based on their interactions to a specific cell surface receptor. The type I IFNs bind to the interferon alpha receptor, which consists of two subunits, IFNAR1 and IFNAR2. The IFN-α proteins are produced mainly by plasmacytoid dendritic cells (pDCs). They are mainly involved in innate immunity against viral infection. It is also made synthetically as medication in hairy cell leukemia. Recombinant porcine IFN-alpha 1, fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
Molecular Weight:	20.2kDa (176aa)
NCBI Accession:	NP_999558
Pathways:	JAK-STAT Signaling, Hepatitis C

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.