Datasheet for ABIN7536324

IFNW1 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	IFNW1 (IFNW)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IFNW1 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human Interferon omega-1/IFNW1 Protein
Sequence:	GCDLPQNHGL LSRNTLVLLH QMRRISPFLC LKDRRDFRFP QEMVKGSQLQ KAHVMSVLHE MLQQIFSLFH TERSSAAWNM TLLDQLHTGL HQQLQHLETC LLQVVGEGES AGAISSPALT LRRYFQGIRV YLKEKKYSDC AWEVVRMEIM KSLFLSTNMQ ERLRSKDRDL GSS
Specificity:	Gly23-Ser195
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1EU/µg
Biological Activity Comment:	Measured in a cell cytotoxicity assay using TF-1 cells. The ED_{50} for this effect is 0.13-0.54 ng/mL.

Target Details

Target:	IFNW1 (IFNW)
Alternative Name:	Interferon omega-1/IFNW1 (IFNW Products)
Background:	Description: IFNs are a large family of proteins having antiviral, antiproliferative, and immunomodulatory effects, and are divided into two major classes, type I and type II, based on differences in receptor binding and nucleotide sequence. Type I IFNs consist of IFN α, β, τ, and ω and bind to the type I IFN receptor, whereas IFN-γ is the only type II IFN and is specific for the type II IFN receptor. Human IFN-ω, was identified by three independent groups in 1985 and is structurally related to IFN-α and -β. Both human IFN-ω and IFN-α are produced by virally induced leukocytes and have similar antiviral activities on human cell lines, and a sizeable proportion (at least 1 %) of the total antiviral activity of leukocyte IFN is contributed by IFN-ωl. Also, it was reported that IFN-ω could inhibit the growth of human tumors in vivo. Name: Interferon omega-1,IFNW1
Gene ID:	3467
UniProt:	P05000

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	0.7 mg/mL
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.