

Active Recombinant Human IFNA1 protein, His-tagged

Cat. No. IFNA1-1027H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNA1 protein(Cys 24 - Glu 189), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-189 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Loaded Human IFN-alpha 1, His Tag on HIS1K Biosensor, can bind Human IFNAR1, Fc Tag with an affinity constant of 0.191 µM as determined in BLI assay (ForteBio Octet Red96e).Loaded Human IFN-alpha 1, His Tag on HIS1K Biosensor, can bind Human IFNAR2, Fc Tag with an affinity constant of 19.5 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 21.3 kDa. The protein migrates as 22-24 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Cys24-Glu189
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IFNA1 interferon, alpha 1 [Homo sapiens]
Official Symbol	IFNA1
Synonyms	IFNA1; interferon, alpha 1; interferon alpha-1/13; IFL; IFN; IFN ALPHA; IFN alpha 1b; IFN alphaD; IFNA13; IFNA@; interferon alpha 1b; leIF D; IFN-alpha 1b; IFN-alpha-1/13; interferon-alpha1; interferon alpha-D; IFN-ALPHA; IFN-alphaD; MGC138207; MGC138505; MGC138507;
Gene ID	3439
mRNA Refseq	NM_024013
Protein Refseq	NP_076918
MIM	147660
UniProt ID	P01562

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