

Active Recombinant Human IFNA1 protein, Fc-tagged

Cat. No. IFNA1-0257H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNA1 protein(Cys24-Glu189), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-189 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 51 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Loaded Human IFN-alpha / beta R1, His Tag on NTA Biosensor, can bind Human IFN-alpha 1, Fc Tag with an affinity constant of 11.3 nM as determined in BLI assay (ForteBio Octet Red96e).Loaded Human IFNAR2, His Tag on HIS1K Biosensor, can bind Human IFN-alpha 1, Fc Tag with an affinity constant of 2.67 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 45.8 kDa. The protein migrates as 45-50 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.>90% as determined by SEC-MALS.
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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