Active Recombinant Human IFNA1 Protein (Cys24-Glu189), N-His tagged, Animal-free, Carrier-free

Cat. No. IFNA1-154H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNA1 Protein (Cys24-Glu189) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Cys24-Glu189
Description	Interferon-alpha 1a (IFN-alpha 1a) is a leukocyte interferon, which is a variant of Interferon-alpha. IFN-alpha 1a is a 19.5kDa protein containing 167 amino acid residues. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells.
Form	Lyophilized
Bio-activity	Measure by its ability to inhibit IL-8 secretion in human PBMCs in the presence of LPS. The ED50 for this effect is < 1.12 μg/mL.
Molecular Mass	The protein has a calculated MW of 20.19 kDa. The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

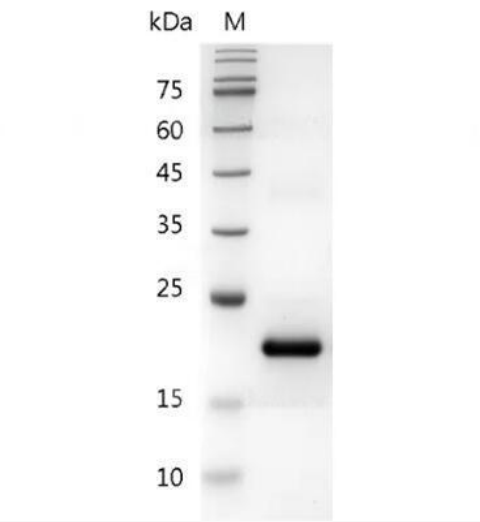
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Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IFNA1 interferon, alpha 1 [Homo sapiens (human)]
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

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Protein Refseq	NP_076918
MIM	147660
UniProt ID	P01562
SDS-PAGE analysis of recombinant human IFN Alpha 1a.	

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