

Active GMP Recombinant Human IFNA1 protein

Cat. No. IFNA1-86H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNA1 was expressed in HEK293.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 µ filtered solution in PBS, pH 7.4, containing 4 % mannitol and 1 % HSA.
Bio-activity	Fully biologically active when compared to standard. The specific activity determined by an anti-viral assay is no less than 1.0×10^8 IU/mg.
Molecular Mass	Approximately 19.5 kDa, a single non-glycosylated polypeptide chain containing 167 amino acids.
AA Sequence	MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAI SVLHE LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNVD SILA VKKYFRRITL YLTEKKYSPC AWEVVRAEIM RSLSLSTNLQ ERLRRKE
Endotoxin	Less than 1 EU/g of rHuIFN-α1b as determined by LAL method.
Purity	> 96 % by SDS-PAGE and HPLC analyses.
Applications	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or

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further evaluation purposes. NOT FOR HUMAN USE.

Storage

This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 centigrade to -70 centigrade. Avoid repeated freeze/thaw cycles.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 centigrade. Further dilutions should be made in appropriate buffered solutions.

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; interferon alpha 1b; IeIF 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

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MIM	147660
UniProt ID	P01562
Chromosome Location	9p22
Pathway	Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem;

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