

## Active GMP Recombinant Human IFNA1 protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IFNA1 was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4, containing 4 % mannitol and 1 % HSA.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The specific activity determined by an anti-viral assay is no less than $1.0 \times 10^8$ IU/mg.
<b>Molecular Mass</b>	Approximately 19.5 kDa, a single non-glycosylated polypeptide chain containing 167 amino acids.
<b>AA Sequence</b>	MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAI SVLHE LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNVDSILA VKKYFRRITL YLTEKKYSPC AWEVVRAEIM RSLSLSTNLQ ERLRRKE
<b>Endotoxin</b>	Less than 1 EU/g of rHuIFN-α1b as determined by LAL method.
<b>Purity</b>	> 96 % by SDS-PAGE and HPLC analyses.
<b>Applications</b>	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  $\leq$  -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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<b>MIM</b>	147660
<b>UniProt ID</b>	P01562
<b>Chromosome Location</b>	9p22
<b>Pathway</b>	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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