

# Recombinant Human Interferon, Alpha 1

Cat. No. IFNA1-16H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human Interferon- $\alpha$ was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer(167 aa, 19.5 kDa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Interferon- $\alpha$ is cytokines that are widely known to induce potent anti-viral activity. Interferon - $\alpha$ exerts a variety of other biological effects, including antitumor and immunomodulatory activities and are increasingly used clinically to treat a range of malignancies, myelodysplasias and autoimmune diseases.
<b>Formulation</b>	Liquid. In phosphate-buffered Saline(pH 7.4).
<b>Molecular Weight</b>	19.5kDa (167aa).
<b>Purity</b>	> 95% by SDS – PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Amino acid Sequence</b>	MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAI SVLHE LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNVDLSILA VKKYFRRITL YLTEKKYSPC AWEVVRAEIM RSLSLSTNLQ ERLRRKE

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**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** IFNA1 interferon, alpha 1 [ Homo sapiens ]

**Synonyms** IFL; IFN; IFN-ALPHA; IFNA13; IFNA@; MGC138505; MGC138507; OTTHUMP00000045110; IFN-alpha 1b; Interferon alpha-D; LeIF D; interferon alpha 1b; interferon, alpha 1; IFNA1.

**Gene ID** 3439

**mRNA Refseq** NM\_024013

**Protein Refseq** NP\_076918

**MIM** 147660

**UniProt ID** P01562

**Chromosome Location** 9p22

**Pathway** Antigen processing and presentation; Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Regulation of autophagy; Toll-like receptor signaling pathway.

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