

Recombinant Human Interferon, Alpha 1

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

SPECIFICATION

Product Overview	Recombinant human Interferon- α 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).
Species	Human
Source	E.coli
Description	Interferon- α is cytokines that are widely known to induce potent anti-viral activity. Interferon - α 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.
Formulation	Liquid. In phosphate-buffered Saline(pH 7.4).
Molecular Weight	19.5kDa (167aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Amino acid Sequence	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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