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# Recombinant human IFN-alpha 1/IFNA1 protein

Catalog Number: IFN0501

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

24-189aa

#### UniProt No.

P01562

#### **NCBI Accession No.**

NP 076918.1

## **Alternative Names**

Interferon alpha 1, IFN-alpha-1/13, Interferon alpha-D, LeIF D, IFN-alpha 1b, Interferon alpha 1b, IFNA@, IFN, IFN-ALPHA, IFNA13, IFN-alphaD

### **PRODUCT SPECIFICATION**

# **Molecular Weight**

19.5 kDa (167aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4)

#### **Purity**

> 95% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

Non-Tagged

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

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. Recombinant human



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Interferon-alpha was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

## **Amino acid Sequence**

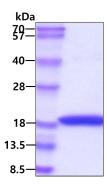
MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAISVLHE LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNADSILA VKKYFRRITL YLTEKKYSPC AWEVVRAEIM RSLSLSTNLQ ERLRRKE

### **General References**

Goeddel DV, et al. (1981) Nature, 290(5801): 20-6 Mire-Sluis, A.R., et al.(1996) J. Immunol. Methods.195: 55-61 Rubinstein, S., et al.(1981) J. Virol. 37: 755-758

## **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

