

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@, IFL, 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

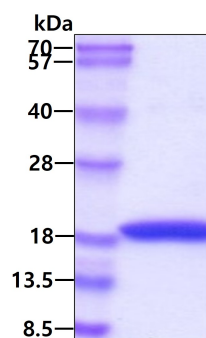
MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAVISLHE LIQQIFNLFT TKDSSAAWDE
DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNADSILA VKKYFRRITL YLTEKKYSPC AWEVVRAEIM RSLSLSTNLQ
ERLRRKE

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.