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

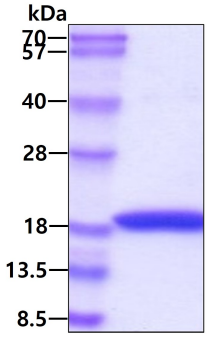
MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAISVLHE LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNADSILA VKKYFRRITL YLTEKKYSPC AWEVVRAEIM RSLSLSTNLQ ERLRRKE

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.