

Recombinant human IFN-alpha 2/IFNA2 protein

Catalog Number: IFN0502

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-188aa

UniProt No.

P01563

NCBI Accession No.

NP_000596.2

Alternative Names

Interferon alpha 2, IFN-alpha-2, Interferon alpha-A, IFNA, IFN-alphaA, LeIF A, IFNA2A, IFNA2B, IFNA2C, alpha-2a interferon, Interferon alpha 2b

PRODUCT SPECIFICATION

Molecular Weight

19.4 kDa (166aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4), 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

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

Biological Activity

Measured by its binding ability in a functional ELISA with Human IFN-alpha/beta R2 (CAT# ATGP3952) in the presence of Human IFN-alpha/beta R1 (CAT# ATGP3894).

Tag

Non-Tagged

Application

SDS-PAGE, Bioactivity

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.

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BACKGROUND

Description

Interferon induces a variety of effects on target cells including antiviral, antiproliferative, and immunomodulatory activities. Interferon alpha-2b can either inhibit or enhance immune cell activity within the tightly regulated microenvironment of inflammation, depending upon the concentration of the cytokine and the activation stage of the cell. Interferon alpha-2b was expressed in *E. coli* and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

Amino acid Sequence

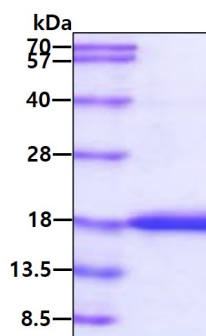
MCDLPQTHSL GSRRTLMLLA QMRRISLFSC LKDRHDFGFP QEEFGNQFQK AETIPVLHEM IQQIFNLFST KDSSAAWDET
LLDKFYTELY QQLNDLEACV IQGVGVTEPT LMKEDSILAV RKYFQRITLY LKEKKYSPCA WEVVRAEIMR SFSLSSTNLQE
SLRSKE

General References

Mire-Sluis AR., 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.

Biological Activity

Human IFN-alpha 2 is coated at 10 ug/ml (100 ul/well) can bind Human IFN-alpha/beta R2 (CAT# ATGP3952) in the presence of Human IFN-alpha/beta R1 (CAT# ATGP3894).

