

Recombinant human IFN-alpha 7/IFNA7 protein

Catalog Number: ATGP3810

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

24-189aa

UniProt No.

P01567

NCBI Accession No.

NP_066401

Alternative Names

Interferon alpha-7, IFNA7, IFN-alphaJ, IFNA-J, Interferon alpha-J1, IFN-alpha-J1

PRODUCT SPECIFICATION

Molecular Weight

20.7 kDa (175aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 90% by SDS-PAGE

Endotoxin level

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

Tag

His-Tag

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

IFNA7, also known as interferon alpha-7, is a member of the interferon family. Interferon promotes the production of two enzymes, protein kinase and oligoadenylate synthetase. They allow the cells to communicate with the protective barrier of the immune system to eradicate pathogens or tumors. IFNs are divided on the sequence of amino-acids into three groups: Alpha, Beta and Gamma interferons. IFN-alpha has both anti-viral

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and immunomodulatory activities on target cells, and increases the awareness of infection or tumor cells by elevating antigen presentation to T lymphocytes. This protein has both anti-viral and immunomodulatory activities on target cells and involved both in ligand binding and signal transduction. Recombinant human IFNA7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

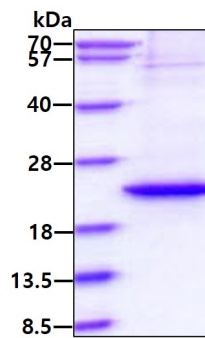
<ADP>CDLPQTH SLRNRRALIL LAQMGRISPF SCLKDRHEFR FPEEEFDGHQ FQKTQAISVL HEMIQQTFNL FSTEDSSAAW
EQSLLEKFST ELYQQLNDLE ACVIQEVGVE ETPLMNEDFI LAVRKYFQRI TLYLMEKKYS PCAWEVVRAE IMRSFSFSTN
LKKGLRRKD<H HHHHH>

General References

De Veer MJ., et al. (2001) J Leukoc Biol. 69:912-920.
Fensterl V., et al. (2009) Biofactors. 35:14-20.

DATA

SDS-PAGE



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