

# Recombinant human IFN-alpha 14/IFNA14 protein

Catalog Number: ATGP1500

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

24-189aa

### UniProt No.

P01570

### NCBI Accession No.

NP\_002163

### Alternative Names

Interferon alpha-14, IFN-alphaH, LEIF2H, Interferon lambda-2-H

## PRODUCT SPECIFICATION

---

### Molecular Weight

22.4 kDa (191aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.2M NaCl, 2mM DTT

### Purity

> 90% by SDS-PAGE

### 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

IFNA14, also known as interferon alpha-14, is produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. Recombinant human IFNA14 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGS HMCNLSQ THSLNNRRTL MLMAQMRRIS PFSCLKDRHD FEFPQEEFDG

# Recombinant human IFN-alpha 14/IFNA14 protein

Catalog Number: ATGP1500

NQFQKAQAIS VLHEMMQQTFLNFSTKNSSA AWDETLLEKF YIELFQQMND LEACVIQEVG VEETPLMNED SILAVKKYFQ  
RITLYLMEKK YSPCAWEVVR AEIMRSLFSFSTNLQKRLRRK D

## General References

Zoon K.C., et al. (1992) J. Biol. Chem. 267:15210-15216

Nyman T.A., et al. (1998) Biochem. J. 329:295-302

## DATA

### SDS-PAGE

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

