

# Recombinant mouse IL-18 protein

Catalog Number: ATGP3006

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

36-192aa

### UniProt No.

P70380

### NCBI Accession No.

NP\_032386

### Alternative Names

Interleukin 18, Interferon gamma-inducing factor, IFN-gamma-inducing factor, Interleukin-1 gamma, IL-1 gamma, Igif

## PRODUCT SPECIFICATION

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### Molecular Weight

18.2 kDa (158aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

### Purity

> 90% 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

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### Description

IL18 (Interleukin18 ), previously known as interferon-gamma (IFN-gamma) -inducing factor, is an activator of NK cells and a co-inducer of Th1 cytokines. IL18 is produced from Kupffer cells, activated macrophages, keratinocytes, intestinal epithelial cells, osteoblasts, adrenal cortex cells and murine diencephalon. Recombinant

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mouse IL18 was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

### Amino acid Sequence

MNFGRLHCTT AVIRNINDQV LFVDKRQPVF EDMTDIDQSA SEPQTRLIIY MYKDSEVRGL AVTLVKDSDK MSTLSCKNKI  
ISFEEMDPPE NIDDIQSDLI FFQKRVPGHN KMEFESSLYE GHFLACQKED DAFKLILKKK DENGDKSVMF TLTNLHQS

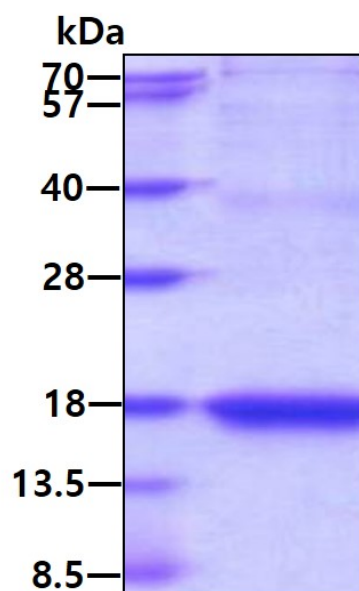
### General References

Yoshimoto T., et al. (1998) J. Immunol, 161, 3400.

Gracie JA., et al. (2003) J Leukoc Biol. 73,213.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.