

Recombinant mouse IL-18 protein

Catalog Number: ATGP3006

PRODUCT INFORMATION

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

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

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

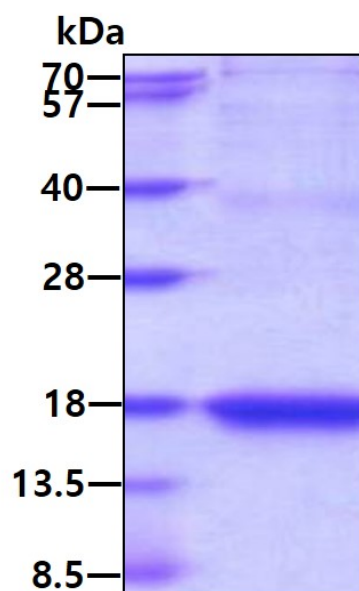
General References

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

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

DATA

SDS-PAGE



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