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 lug 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



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

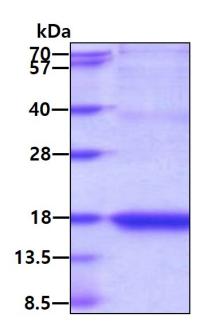
MNFGRLHCTT AVIRNINDQV LFVDKRQPVF EDMTDIDQSA SEPQTRLIIY MYKDSEVRGL AVTLSVKDSK MSTLSCKNKI ISFEEMDPPE NIDDIQSDLI FFQKRVPGHN KMEFESSLYE GHFLACQKED DAFKLILKKK DENGDKSVMF TLTNLHQS

General References

Yoshimoto T., et al. (1998) J. Immunol, 161, 3400. Gracie JA ., et al. (2003) J Leukoc Biol. 73,213.

DATA

SDS-PAGE



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

