**Interleukin-18, 36-192 aa**

**Mouse, His-tagged, Recombinant, E.coli**

**Cat. No. NBC1-21052 / Lot. No. 0928301**

**Synonyms:** IL-18, IFN-gamma-inducing factor (IGIF), Interleukin-1 gamma

**NCBI Accession No.:** NP_032386

**Description:** Interleukin-18 (IL-18), previously known as interferon-gamma (IFN-γ)-inducing factor, is an activator of NK cells and a co-inducer of Th1 cytokines. IL-18 is produced from Kupffer cells, activated macrophages, keratinocytes, intestinal epithelial cells, osteoblasts, adrenal cortex cells and murine diencephalon. IL-18 was expressed in *E.coli* and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

**Form:** Liquid. In 20mM Tris-HCl pH 8.0 containing 10% glycerol

**Molecular Weight:** 20.4 kDa (178 aa), confirmed by MALDI-TOF

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** < 1.0 EU per 1 μg of protein (determined by LAL method)

**Sequences of amino acids:**

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MGSSHHHHHH SSGLVPRGSH MNFGRKLCTT AVIRNINDQV LVODKRPVF EDMTDIDQSA SEPQRLIY MYKDSEVRGL AVTLSKIDK MSTLSCKNI
ISFEEMDPE N10D1QSDL1 FFQKVPQNH KKEFESSLYE GHFLAQKED DAFKLILKKK DENGSKSNSF TLNLHQS
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**General references:**

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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**Warning**
For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

**Su Hyun, Jung**
Manager of Quality Control

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