

**IL-18 Human, Recombinant, E.coli**

**Cat.NO.: TP02592**

3th Edition

**Synonyms:**IL-18, IFN-gamma-inducing factor (IGIF), IL-1 gamma, Iboctadekin, IL1F4

**Description:**Interleukin 18 (IL-18), previously known as interferon-gamma (IFN- $\gamma$ )-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. Recombinant human IL-18 protein was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

**Form:**Liquid. In Phosphate buffer saline (pH 7.4)

**Molecular Weight:**18.3kDa (158aa), confirmed by MALDI-TOF

**Sequences:**

MYFGKLESKLSVIRNLDQVLFIDQGNRPLFEDMTDSDCRDNAPRTIFIISMYKDSQPRGMAVTISVKCEKISTLSCE  
NKIISFKEMNPPDNIKDTKSDIIFQRSVPGHDNKMQFESSYEGYFLACEKERDLFKLILKKEDELGDRSIMFTVQNE  
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**Purity:**> 95% by HPLC

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

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

**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.