

## IL 18 Human, His

**Description:** Interleukin-18 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 157 amino acids fragment (37-193) having a molecular weight of 20kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The IL-18 His is purified by proprietary chromatographic techniques.

**Catalog #:** CYP5-670

For research use only.

**Synonyms:** Interferon-gamma-inducing factor, IGIF, IL-1g, IL-18, IL1F4, MGC12320, IFN-gamma-inducing factor, Interleukin-1 gamma, IL-1 gamma, Ibctadekin, IL18.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

Interleukin -18 His-Tag protein is supplied in 20mM Tris-HCl pH-8 and 50% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

IL-18 is a proinflammatory cytokine. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.

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