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**Product Data Sheet**

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Product Name: IL 18 Human, His  
Cat. No.: GP20604  
Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interferon-gamma-inducing factor; IGIF; IL-1g; IL-18; IL1F4; MGC12320; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; Iboctadekin; IL18.		
Formulation	Interleukin -18 His-Tag protein is supplied in 20mM Tris-HCl pH-8 and 50% glycerol.		

**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.

**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.

**Background**

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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