
Product Data Sheet

Product Name: il 18 Human
Cat. No.: GP20603
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	IGIF; IL-1g; IL-18; IL1F4; MGC12320; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; Iboctadekin.		
Solubility	It is recommended to reconstitute the lyophilized Interleukin 18 in sterile PBS at 0.1mg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.0.		

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.

Biological Activity

The ED50 is 1.5-9 ng/mL and is measured by Interleukin 18 ability to induce IFN-γ secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha.

Stability

Lyophilized Interleukin 18 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL18 should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

Interleukin-18 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 157 amino acids and having a molecular mass of 18.2 kDa. The IL-18 is purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA