
Product Data Sheet

Product Name: IL 18 Mouse, His
 Cat. No.: GP20607
 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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MNFGRLHCTT AVIRNINDQV LFVDKRQPVF EDMTDIDQSA SEPQTRLIY MYKDSEVRGL AVTL SVKDSK MSTLSCKNKI ISFEEMDPPE NIDDIQSDLI FFQKRVPGHN KMEFESSLYE GHFLACQKED DAFKLILKKK DENGDKSVMF TLTNLHQS.		
Formulation	The Mouse IL-18 protein solution contains 20mM Tris-HCl pH-8 and 10% 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

Background

Interleukin-18 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 178 amino acids (36-192 a.a.) and having a molecular mass of 20.4 kDa. The Mouse IL-18 is fused to a 20 amino acids His Tag at N-terminus

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

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and purified by proprietary chromatographic techniques.

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