
Product Data Sheet

Product Name: IL18BP Human
 Cat. No.: GP20605
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 18 Binding Protein; MC51L-53L-54L HomologGene Product; Tadekinig-Alfa; IL-18BP; IL18BP _a ; Interleukin-18-binding protein; Tadekinig-alfa.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSTPVSQTT TAATASVRST KDPCPSQPPV FPAAKQCPAL EVTWPEVEVPLNGTSLSCV ACSRFPNFSI LYWLGNGSFI EHLPGRLWEG STSRERGSTG TQLCKALVLE QLTPALHSTNFSCVLVDPEQ VVQRHVVLAQ LWAGLRATLP PTQEALPSSHSSPQQQG.		
Formulation	IL18BP protein solution (1mg/ml) containing 20mM Tris-HClbuffer (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

Interleukin-18 Binding Protein (IL18BP) serves as an inhibitor of the proinflammatory cytokine, IL18. IL18BP binds IL18, inhibits the binding of IL18 to its receptor, and consequently inhibits IL18-induced IFN-gamma production, resulting in reduced T-helper type 1 immune responses. The IL18BP protein is constitutively expressed and secreted in mononuclear cells. Elevated levels of IL18BP protein are detected in the intestinal tissues of patients with Crohn's disease.

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). Avoid multiple freeze-thaw cycles.

Background

IL18BP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 187 amino acids (31-194 a.a) and having a molecular mass of

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

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20kDa.IL18BP is fused to a 23 amino acid His-tag at N-terminus& purified by proprietary chromatographic techniques.

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