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**Product Data Sheet**


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Product Name: IL18BP Human, Sf9

Cat. No.: GP20606

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin18 Binding Protein; MC51L-53L-54L Homolog Gene Product; Tadekinig-Alfa; IL-18BP; Interleukin-18-Binding Protein; IL18BPa; Interleukin-18-binding protein; IL-18BP; Tadekinig-alfa.		
Amino Acid Sequence	ADPTPVSQTTTAATASVRST KDPCPSQPPV FPAAKQCPAL EVTWPEVEVP LNGTLSLSCV ACSRFPNFSI LYWLGNGSFIEHLPGRWEG STSRERGSTG TQLCKALVLE QLTPALHSTN FSCVLVDPEQ VVQRHVVLAQ LWAGLRATLPPTQEALPSSH SSPQQQGLEP KSCDKTHTCPPCPAPPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVDVS HEDPEVKFNWYVDGVEVHNA KTKPREEQYN STYRVVSVLT VLVHGDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQVYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPPV LDSDGSFFLYSKLTVDKSRW QQGNVFSCSVMHEALHNHYT QKLSLSLSPGK HHHHHH.		
Formulation	IL18BP protein solution (0.5mg/ml) containing PhosphateBuffered Saline (pH 7.4) 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

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

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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 Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 406 amino acids (31-194 a.a) and having a molecular mass of 44.9 kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57 kDa). IL18BP is fused to a 239 amino acid hIgG-His-tag at C-terminus & purified by proprietary chromatographic techniques.

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