

**IL18BP, 31-194aa Human, His tag, E.coli**

**Cat.NO.: TP02620**

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3th Edition

**Synonyms:** Interleukin-18-binding protein, IL18BP $\alpha$

**Description:** IL18BP functions as an inhibitor of the proinflammatory cytokine, IL18. It binds IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production, resulting in reduced T-helper type 1 immune responses. This protein is constitutively expressed and secreted in mononuclear cells. Elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Recombinant human IL18BP protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

**Molecular Weight:** 20.0 kDa (187aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSTPVSQTTTAATASVRSTKDPCPSQPPVFPAAKQCPALEVTWPEVEVPLNGT  
LSLSCVACSRFPNFSILYWLGNFSFIEHLPGRLEWEGSTSRERGSTGTQLCKALVLEQLTPALHSTNFSCLVDPEQ  
VVQRHVLAQLWAGLRATLPPTQEALPSSHSSPQQQG

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1  $\mu$ g of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.