

# Recombinant human IL-18BP protein

Catalog Number: ATGP1940

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

31-194aa

### UniProt No.

O95998

### NCBI Accession No.

NP\_001138529

### Alternative Names

Interleukin-18-binding protein, IL18BP $\alpha$ , Interleukin-18-binding protein isoform, IL18BP, Tadekinig-alfa

## PRODUCT SPECIFICATION

---

### Molecular Weight

20 kDa (187aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M uREA, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### 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.

## Recombinant human IL-18BP protein

Catalog Number: ATGP1940

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSTPVSQTT TAATASVRST KDPCPSQPPV FPAAKQCPAL EVTWPEVEVP LNGTSLSCV  
ACSRFPNFSI LYWLGNGSFI EHLPGRLWEG STSRERGSTG TQLCKALVLE QLTPALHSTN FSCVLVDPEQ VVQRHVLAQ  
LWAGLRATLP PTQEALPSSH SSPQQQG

### General References

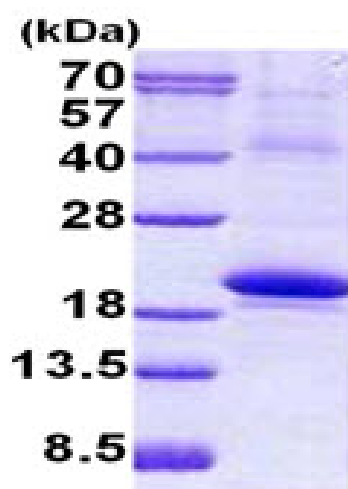
Shimizu,C., et al. (2012) Mod Rheumatol 22 (1), 73-79

Fujita,T.,et al. (2011) Diabetes Res. Clin. Pract. 92 (3), E66-E69

## DATA

---

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)