

RP00162

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# Recombinant Human IL-18BP Protein

Catalog No.: RP00162

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	10068	O95998

### Tags

C-hFc&His

### Synonyms

IL18BP;IL18BPα

## Product Information

### Source

HEK293 cells

### Purification

> 95% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Background

Interleukin-18-binding protein (IL-18BP) is a constitutively expressed and secreted protein. IL-18BP is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (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.

## Basic Information

### Description

Recombinant Human IL-18BP Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Thr31-Gly194) of human IL18BPα (Accession #NP\_001034748.1) fused with an Fc, 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human IL18BP at 2 μg/mL (100 μL/well) can bind IL18 with a linear range of 0.128-47.02 ng/mL.

### Storage

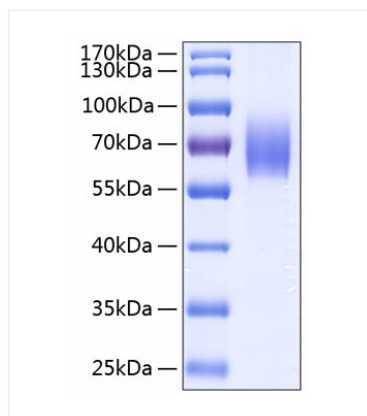
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data



Recombinant Human IL-18BP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-75 kDa.

