

# Human IL18BP / IL18BP<sub>a</sub> (His & Fc Tag) recombinant protein



Catalog Number: 503436

## General Information

### Protein Construction

A DNA sequence encoding the N-terminal domain (Met 1-Gly 192) of human IL 18BP<sub>a</sub> (NP\_001034748.1) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind Cynomolgus IL18 in functional ELISA.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Thr 29

### Molecular Mass

The recombinant human IL18BP<sub>a</sub>/Fc is a disulfide-linked homodimeric protein after removal of the

signal peptide. The reduced monomer consists of 411 amino acids and has a predicted molecular mass of 44.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh IL18BP<sub>a</sub>/Fc monomer is approximately 70-75 kDa due to glycosylation.

### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

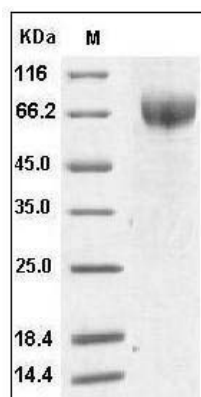
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human IL18BP<sub>a</sub> Protein (His & Fc Tag) SDS-PAGE