

# Human IL18R1 (His & Fc Tag) recombinant protein



Catalog Number: 501773

## General Information

### Gene Name Synonym

CD218 antigen-like family member A; CDw218a; IL1 receptor-related protein

### Protein Construction

A DNA sequence encoding the extracellular domain of human IL18R1 (NP\_003846.1) (Met 1-Arg 329) 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 IL-18 in a functional ELISA.

### Purity

> 70 % as determined by SDS-PAGE

### Endotoxin

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

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Ala 19

### Molecular Mass

The recombinant human IL18R1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 559 amino acids and has a predicted molecular mass of 64 kDa. As a result of glycosylation, the apparent molecular mass of rh IL18R1/Fc monomer is approximately 95-110 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

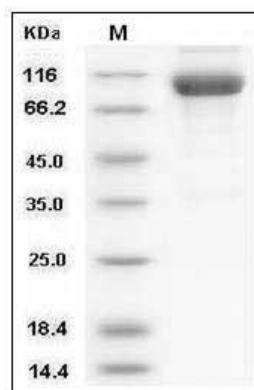
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 IL18R1 / CD218a Protein (His & Fc Tag)  
SDS-PAGE