

# Rat LAMP-1/CD107a/LAMP1 (Fc Tag) recombinant protein



Catalog Number: 500707

## General Information

### Gene Name Synonym

120 kDa lysosomal membrane glycoprotein;  
CD107 antigen-like family member A

### Protein Construction

A DNA sequence encoding the Rat LAMP1 (P14562) (Met1-Asn371) was expressed, fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Purity

> 92 % 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

Ala 22

### Molecular Mass

The recombinant Rat LAMP1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 591 amino acids and has a predicted molecular mass of 65.1 kDa. The apparent molecular mass of the protein is approximately 123 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

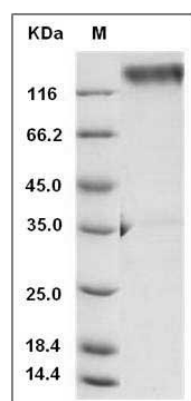
### Storage

Store it under sterile conditions at -20°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



Rat LAMP1 / CD107a Protein (Fc Tag) SDS-PAGE