

Human LAMP-1/CD107a/LAMP1 (His Tag) recombinant protein



Catalog Number: 501215

General Information

Protein Construction

A DNA sequence encoding the human LAMP1 (NP_005552.3) (Met 1-Met 382) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind biotinylated recombinant human Galectin-3 (Cat:10289-HNAE-E) in a functional ELISA.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ 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 29

Molecular Mass

The recombinant human LAMP1 consists of 365

amino acids and predicts a molecular mass of 39.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhLAMP1 is approximately 60-100 kDa due to high levels of glycosylation.

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

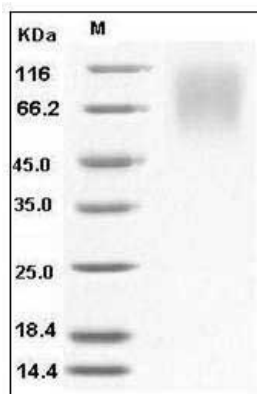
Storage

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



Human LAMP1 / CD107a Protein (His Tag) SDS-PAGE