

# Mouse CD1d (His Tag) recombinant protein



Catalog Number: 500053

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD1D (NP\_031665.2) (Met 1-Gly 305) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 90 % 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

Gln 22

### Molecular Mass

The recombinant mouse CD1D consists of 295 amino acids and has a predicted molecular mass of 33.7 kDa. In SDS-PAGE under reducing

conditions, the apparent molecular mass of rm CD1D is approximately 45-50 kDa due to 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

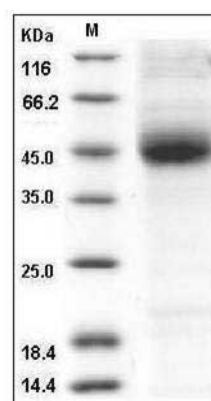
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  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



Mouse CD1D / R3G1 Protein (His Tag) SDS-PAGE