

## General Information

### Protein Construction

A DNA sequence encoding the rhesus CD1A(NP\_001139290.1) (Met1-Ser299) of was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the rhesus B2M (NP\_001040602.1) (Met1-Met119) constructed the plasmid 2. The two plasmids were co-expressed and the rhesus CD1C/B2M heterodimer was purified.

### Organism

Rhesus

### Expression Host

Human Cells

## QC Testing

### Purity

> (88.9+9.2) % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  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

Asp19 & Ile 21

### Molecular Mass

The recombinant heterodimer of rhesus CD1A&B2M comprises 391 (292+99) amino acids and has a calculated molecular mass of 45.2 (33.6+11.6) KDa.

### 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

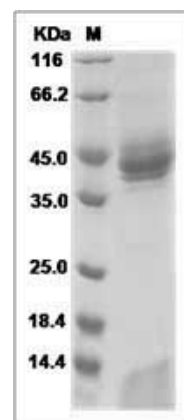
### Storage

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



Rhesus CD1A & B2M Heterodimer Protein