

## General Information

### Protein Construction

A DNA sequence encoding the cynomolgus CD1E(EHH50396.1) (Glu32-Gly303) was fused with a polyhistidine tag at the N-terminus, constructed the plasmid 1; A DNA sequence encoding the cynomolgus B2M (Q6V7J5) (Met1-Met119) was expressed, constructed the plasmid 2. The two plasmids were co-expressed and the cynomolgus CD1E/B2M heterodimer was purified.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Purity

(63.4 + 34.8) % 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

His & Ile 21

### Molecular Mass

The recombinant heterodimer of cynomolgus

CD1E/B2M comprises 390 (291+99) amino acids and has a calculated molecular mass of 44.5 (32.9+ 11.6) KDa. The apparent molecular mass of cyno CD1E/B2M heterodimer is approximately 37.8 and 13.6 KDa respectively in SDS-PAGE.

### 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

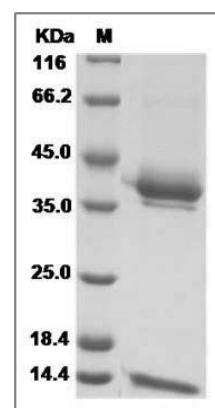
### Storage

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



Cynomolgus CD1E & B2M Heterodimer Protein  
SDS-PAGE