

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ser 297) of cyno FCGRT (Q8SPV9) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the cyno B2M (Q6V7J5) (Met 1-Met 119) constructed the plasmid 2. The two plasmids were co-expressed and the FCGRT/B2M heterodimer was purified.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind human IgG1 in functional ELISA.

### Purity

> 98 % 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

Ala 24 & Ile 21

### Molecular Mass

The recombinant heterodimer of cyno FCGRT&B2M comprises 384 (285+99) amino acids and has a calculated molecular mass of 43.5 (31.9+ 11.6) KDa. The apparent molecular mass of cyno FCGRT&B2M heterodimer is approximately 35 & 12 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

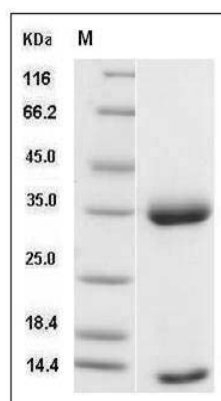
### Storage

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 FCGRT & B2M Heterodimer Protein  
SDS-PAGE