

## General Information

### Gene Name Synonym:

2'-phospho-ADP-ribosyl cyclase; 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase; 2'-phospho-cyclic-ADP-ribose transferase; ADP-ribosyl cyclase 1; Cyclic ADP-ribose hydrolase 1

### Protein Construction:

A DNA sequence encoding the cynomolgus CD38 (Q5VAN0) (Leu44-Ile301) was expressed with a polyhistidine tag at the C-terminus.

**Source:**Cynomolgus

**Expression Host:**Human Cells

## QC Testing

### Activity:

### Purity:

> 95 % 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:

Leu 44

### Molecular Mass:

The recombinant cynomolgus CD38 comprises 269 amino acids and has a calculated molecular mass of 31.3 KDa. The apparent molecular mass of it is approximately 41 KDa in SDS-PAGE under reducing conditions.

### 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

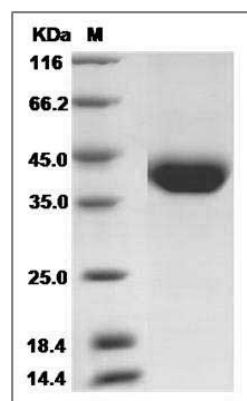
### Storage:

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 CD38 Protein (His Tag) SDS-PAGE