Catalog Number: 501466



General Information

Gene Name Synonym

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

Protein Construction

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

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70 $^{\circ}\mathrm{C}$

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°C to -80°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

KDa	M
116	
66.2	-
45.0	
35.0	
25.0	-
18.4	-
14.4	

Cynomolgus CD38 Protein (His Tag) SDS-PAGE