

Recombinant Cynomolgus CD38/ADP-ribosyl Cyclase 1/cyclic ADP-ribose Hydrolase 1 Protein

Catalog No.: RP00796 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102126394	Q5VAN0

Tags
C-6xHis

Synonyms
ADP-ribosyl cyclase 1; cyclic ADP-ribose hydrolase; CD38; T10

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, PH8.0. Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

CD38, also called ADP-ribosyl cyclase, is a Type II integral membrane protein with 301 amino acids in length that belongs to the ADP-ribosyl cyclase family. It synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. And also moonlights as a receptor in cells of the immune system. CD38 is expressed in B and T lymphocytes, osteoclasts, and in cardiac, pancreatic, liver and kidney cells. Through its production of cyclic ADP-ribose, CD38 modulates calcium-mediated signal transduction in many types of cells, including neutrophils and pancreatic beta cells.

Basic Information

Description
Recombinant Cynomolgus CD38/ADP-ribosyl Cyclase 1/cyclic ADP-ribose Hydrolase 1 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Leu44-Ile301) of cynomolgus CD38/ADP-ribosyl Cyclase 1/cyclic ADP-ribose Hydrolase 1 (Accession #Q5VAN0) fused with a 6xHis tag at the C-terminus.

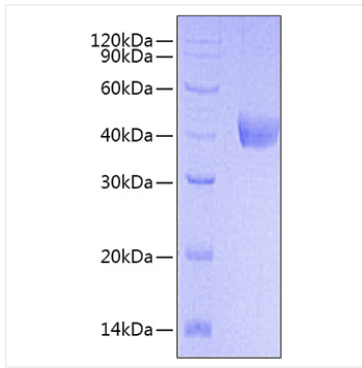
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant Cynomolgus CD38/ADP-riboseyl Cyclase 1/cyclic ADP-ribose Hydrolase 1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.