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

Catalog No.: RP00795 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	952	P28907

Tags
C-mFc

Synonyms
CD38;ADPRC 1;ADPRC1

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 PBS, pH7.4.Contact us for customized product form or formulation.

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

Contact

www.abclonal.com

Background

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

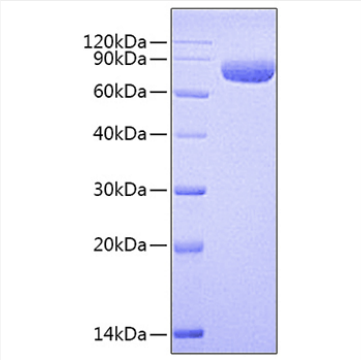
Basic Information

Description
Recombinant Human 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 (Val43-Ile300) of human CD38/ADP-ribosyl Cyclase 1/cyclic ADP-ribose Hydrolase 1 (Accession #P28907) fused with an mFc 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.

Validation Data



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