

Recombinant Cynomolgus CD38/ADP-ribosyl Cyclase 1 Protein (Fc Tag)

Catalog No. PKSQ050040

Description

Synonyms	ADP-ribosyl cyclase 1; cyclic ADP-ribose hydrolase;CD38;T10
Species	Cynomolgus macaques
Expression_host	HEK293 Cells
Sequence	Leu44-Ile301
Accession	Q5VAN0
Mol_Mass	57 kDa
AP_Mol_Mass	65-95 kDa
Tag	C-Fc
Bio_activity	Testing in progress

Properties

Purity	>95 % as determined by reducing SDS-PAGE.
Endotoxin	<1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS,pH 7.4.
Reconstitution	Please refer to the printed manual for detailed information.

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.

SDS-PAGE

