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32-9624: Recombinant Human ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1/CD38 (C-mFc)

Alternative Name: ADP-ribosyl cyclase 1; cyclic ADP-ribose hydrolase;CD38;T10

Description

Source: Human Cells;

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 messagers 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.

Product Info

Amount: $500 \mu g / 50 \mu g$

Content: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Amino Acid: Recombinant Human ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1 is produced by our

Mammalian expression system and the target gene encoding Val43-Ile300 is expressed with a

mFc tag at the C-terminus.