

## 32-9612: Recombinant Human ADP-ribosyl Cyclase/CD38 (C-6His)

**Alternative Name** : ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; 2'-phospho-ADP-ribosyl cyclase; 2'-phospho-cyclic-ADP-ribose transferase; ADP-ribosyl cyclase 1; Cyclic ADP-ribose hydrolase 1; cADPr hydrolase 1; T10; CD38

### Description

Source : Human Cells;

CD38, also known as ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, is a Signal-anchor for type II membrane protein. CD38 is able to transform NAD<sup>+</sup> to ADP-D-ribose and nicotinamide. It also can transform NADP<sup>+</sup> to nicotinate-adenine dinucleotide phosphate and nicotinamide. CD38 is expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. Synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.

### Product Info

**Amount** : 500 µg / 50 µg

**Content** : Supplied as 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 6His tag at the C-terminus.