

## Product datasheet for **TP727825**

### Cd38 Rat Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Rat ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1/CD38 (C-6His)
Species:	Rat
Expression cDNA Clone or AA Sequence:	Trp45-Val303
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Rat ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1 is produced by our Mammalian expression system and the target gene encoding Trp45-Val303 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	25668
UniProt ID:	<a href="#">Q64244</a>
Summary:	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.



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