

## Product datasheet for **TP727812**

### Cd38 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse ADP-ribosyl Cyclase/CD38 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Leu45-Thr304
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Note:	Recombinant Mouse ADP-ribosyl Cyclase/cyclic ADP-ribose Hydrolase 1 is produced by our Mammalian expression system and the target gene encoding Leu45-Thr304 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	12494
UniProt ID:	<a href="#">P56528</a>
Summary:	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.



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