

Recombinant Human CD38 Protein, His\Avi-tagged

Cat. No. CD38-197H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated 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, Avi tag at the N-terminus.
Species	Human
Source	Human Cells
Description	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 ⁺ to ADP-D-ribose and nicotinamide. It also can transform NADP ⁺ 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.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
AA Sequence	Val43-Ile300
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Shipping	Ambient

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GENE INFORMATION

Gene Name	CD38 CD38 molecule [Homo sapiens (human)]
Official Symbol	CD38
Synonyms	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; ADPRC1; cADPR1; ADPRC 1
Gene ID	952
mRNA Refseq	NM_001775.4
Protein Refseq	NP_001766.2
MIM	107270
UniProt ID	P28907

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