

Recombinant Rabbit CD38 protein(Leu43-Met298), His-tagged

Cat. No. CD38-1027R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit CD38 (Q9MZ03) (Leu43-Met298) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rabbit
Source	HEK293
ProteinLength	43-298 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to convert the substrate nicotinamide guanine dinucleotide (NGD+) to cyclic GDPribose. The specific activity is >50, 000pmols/min/ug.
Molecular Mass	The recombinant rabbit CD38 consists of 267 amino acids and predicts a molecular mass of 30.5 KDa. It migrates as an approximately 37-46 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

 Tel: 1-631-559-9269 1-516-512-3133

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CD38 CD38 molecule [*Oryctolagus cuniculus*]

Official Symbol CD38

Synonyms CD38; CD38 molecule; ADP-ribosyl cyclase 1; cADPr hydrolase 1; CD38/ADP-ribosyl cyclase; cyclic ADP-ribose hydrolase 1;

Gene ID 100009409

mRNA Refseq NM_001082683

Protein Refseq NP_001076152

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