

## Recombinant Rat CD38 protein(Trp45-Val303), His-tagged

Cat. No. Cd38-8743R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat CD38 (Q64244) (Trp45-Val303) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	45-303 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to convert the substrate nicotinamide guanine dinucleotide (NGD+) to cyclic GDPribose. The specific activity is >100, 000pmols/min/ug.
<b>Molecular Mass</b>	The recombinant rat CD38 comprises 270 amino acids and predicts a molecular mass of 31.2 kDa. The apparent molecular mass of the recombinant protein is approximately 42 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [ [Rattus norvegicus](#) ]

**Official Symbol**

[CD38](#)

**Synonyms**

CD38; CD38 molecule; ADP-ribosyl cyclase 1; CD38H; cADPr hydrolase 1; cyclic ADP-ribose hydrolase 1; CD38 antigen (ADP-ribosyl cyclase / cyclic ADP-ribose hydrolase);

**Gene ID**

[25668](#)

**mRNA Refseq**

[NM\\_013127](#)

**Protein Refseq**

[NP\\_037259](#)

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