

## Active Recombinant Cynomolgus/Rhesus CD38 protein(Leu44-Ile301), hFc-tagged

**Cat. No.** CD38-1185C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Cynomolgus / Rhesus CD38 (Q5VAN0) (Leu44-Ile301) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.                            |
| <b>Species</b>          | Cynomolgus/Rhesus                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                     |
| <b>ProteinLength</b>    | Leu44-Ile301                                                                                                                                                               |
| <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 >2500pmols/min/ug.                 |
| <b>Molecular Mass</b>   | The recombinant Cynomolgus / Rhesus CD38 comprises 499 amino acids and has a calculated molecular mass of 56.9 KDa.                                                        |
| <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.

 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