

# Recombinant Cynomolgus FCGR2A protein(Met1-Ile211), His-tagged

**Cat. No.** FCGR2A-4107C    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Cynomolgus CD32a (AAL92096.1) (Met 1-Ile 211) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.                                                                                                                        |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-211 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>     | Using the Octet RED System, the affinity constant (Kd) of cynomolgus CD32A-His bound to human IgG was 5.8 $\mu$ M.                                                                                                                                          |
| <b>Molecular Mass</b>   | The recombinant cynomolgus CD32a consists of 193 amino acids and has a calculated molecular mass of 21.8 kDa. The apparent molecular mass of the recombinant protein is approximately 28-33 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per $\mu$ g of the protein as determined by the LAL method                                                                                                                                                                                         |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                            |

 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

**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 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.

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