

## Recombinant Cynomolgus FCGRT & B2M protein(Met1-Ser297 & Met1-Met119), His-tagged, Biotinylated

**Cat. No.** FCGRT & B2M-1150C    **Lot. No.** (See product label)

### SPECIFICATION

|                          |                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b>  | Biotinylated Recombinant Cynomolgus FCGRT (Q8SPV9)(Met1-Ser297) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; Recombinant Cynomolgus B2M (Q8SPW0) (Met1-Met119) constructed the plasmid 2. The two plasmids were co-expressed and the FCGRT/B2M heterodimer was purified in HEK293. |
| <b>Species</b>           | Cynomolgus                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>     | Met1-Ser297 & Met1-Met119                                                                                                                                                                                                                                                                                              |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>              | Lyophilized from sterile PBS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                                                                 |
| <b>Bio-activity</b>      | 1. Measured by its ability to bind human IgG1 in functional ELISA. 2. Using the Octet RED System, the affinity constant (Kd) of FCGRT & B2M Heterodimer Protein, Cynomolgus, Recombinant (His Tag), Biotinylated bound to IgG1 Antibody was 4.6 nM.                                                                    |
| <b>Molecular Mass</b>    | The recombinant heterodimer of cyno FCGRT&B2M comprises 384 (285+99) amino acids and has a calculated molecular mass of 43.5 (31.9+ 11.6) KDa.                                                                                                                                                                         |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 1.0 EU per µg 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 be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | 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.                                                                   |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                          |

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