

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

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

SPECIFICATION

Product Overview	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.
Species	Cynomolgus
Source	HEK293
ProteinLength	Met1-Ser297 & Met1-Met119
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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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Endotoxin	< 1.0 EU per µg 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 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.
Conjugation	Biotin

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