

Active Recombinant Feline FCGRT&B2M protein, His-Avi-tagged, Biotinylated

Cat. No. FCGRT & B2M-12F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Feline FCGRT&B2M protein(Ala 24 - Ser 297 (FCGRT) & Val 21 - Met 118 (B2M)), fused with His and Avi tag, was expressed in HEK293.
Species	Feline
Source	HEK293
ProteinLength	Ala24-Ser297(FCGRT)&Val21-Met118(B2M)
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Biotinylated Feline FCGRT&B2M Heterodimer Protein, His,Avitag captured on Biotin CAP-Series S Sensor Chip can bind Herceptin with an affinity constant of 1.19 nM as determined in a SPR assay (Biacore T200).
Molecular Mass	Biotinylated Feline FCGRT&B2M Heterodimer Protein, His,Avitag, produced by co-expression of FCGRT and B2M, has a calculated MW of 34.0 kDa (FCGRT) and 11.5 kDa (B2M). Subunit FCGRT is fused with a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™) and subunit Beta-2 microglobulin (B2M) contains no tag. The reducing (R) protein migrates as 36-40 kDa (FCGRT) and 18-20 kDa (B2M) respectively due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please protect from light and avoid repeated freeze-thaw cycles.This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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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