

Active Recombinant Bovine FCGRT & B2M Heterodimer Protein, His & Avi-tagged, Biotinylated

Cat. No. FCGRT & B2M-378B **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Bovine FCGRT & B2M Heterodimer Protein, His & Avi-tagged, Biotinylated is expressed from human HEK293 cells. It contains AA Ala 24 - Pro 298 (FCGRT) & Ile 21 - Leu 118 (B2M) (Accession # Q3T119-1 (FCGRT) & P01888-1 (B2M)). Predicted N-terminus: Ala 24 (FCGRT) & Ile 21 (B2M). The subunit FCGRT carries a polyhistidine tag at the C-terminus, followed by an Avi tag. The protein has a calculated MW of 34.5 kDa (FCGRT), 11.6 kDa (B2M). The protein migrates as 37 kDa (FCGRT), 12 kDa (B2M) respectively on a SDS-PAGE gel under reducing (R) condition due to glycosylation. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.

Species

Bovine

Source

HEK293

ProteinLength

Ala 24 - Pro 298 (FCGRT) & Ile 21 - Leu 118 (B2M)

Form

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Bio-activity

Immobilized Ipilumimab at 2 µg/mL (100 µL/well) can bind Recombinant Bovine FCGRT & B2M Heterodimer Protein, His & Avi-tagged, Biotinylated with a linear range of 2-20 ng/mL (QC tested).

Molecular Mass

34.5 kDa (FCGRT) & 11.6 kDa (B2M)

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Biotin

