

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

Cat. No. FCGRT & B2M-11B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Bovine FcRn Heterodimer Protein is expressed from HEK293 cells. It contains AA Ala 24 - Pro 298 (FCGRT) & Ile 21 - Leu 118 (B2M) (Accession # Q3T119-1 (FCGRT) & P01888-1 (B2M)). The subunit FCGRT carries a polyhistidine tag at the C-terminus, followed by an Avi tag.
Species	Bovine
Source	HEK293
ProteinLength	24-298;21-118 a.a.
Predicted N Terminal	Ala 24 (FCGRT) & Ile 21 (B2M)
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Ipilumimab at 2 ug/mL (100 uL/well) can bind Biotinylated Bovine FcRn Heterodimer Protein with a linear range of 2-20 ug/mL
Molecular Mass	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 condition due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	>90% as determined by SDS-PAGE.
Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°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

GENE INFORMATION

Official Symbol	FCGRT; B2M
Synonyms	FcRn, FCGRT & B2M

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