Active Recombinant Human FCGRT & B2M Protein, His-Avi/Strep II-tagged, Biotinylated

Cat. No. FCGRT & B2M-1928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human FcRn / FCGRT & B2M Heterodimer Protein is expressed from HEK293 cells. It contains AA Ala 24 - Ser 297 (FCGRT) & Ile 21 - Met 119 (B2M) (Accession # P55899-1 (FCGRT) & P61769-1 (B2M)). The subunit FCGRT carries an Avi tag at the C-terminus, followed by a polyhistidine tag. The subunit Beta-2 microglobulin (B2M) carries a Strep II tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	24-297;21-119 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 Yervoy Ipilumimab at 10 ug/mL (100 uL/well) can bind Biotinylated Human FcRn, His Tag, Strep Tag with a linear range of 20-625 ug/mL.
Molecular Mass	The protein has a calculated MW of 34.1 kDa (FCGRT), 13.1 kDa (B2M). The protein migrates as 38 kDa (FCGRT), 14 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	>95% 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 -70ºC.
Storage	For long term storage, the product should be stored at lyophilized state at -20ºC or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8ºC for 12 months in lyophilized state; -70ºC 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℃ before opening to recover the entire contents.

GENE INFORMATION

Official Symbol	FCGRT; B2M
Synonyms	FcRn, FCGRT & B2M

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