

Recombinant Cynomolgus FCGRT & B2M protein, His-Avi-tagged, Biotinylated

Cat. No. FCGRT & B2M-103CB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Cynomolgus FcRn Protein is expressed from mammalian with a His tag and Avi Tag at the C-terminal.. It contains Met1-Ser297(FCGRT) & Met1-Met119(B2M).
Species	Cynomolgus
Source	HEK293
ProteinLength	It contains Met1-Ser297(FCGRT) & Met1-Met119(B2M) .
Description	The neonatal Fc receptor (FCRN) is an approximately 45 kDa transmembrane glycoprotein with structural homology to MHC class I proteins. It is widely expressed in endothelial and epithelial cells and plays an important role in IgG homeostasis and antigen presentation by dendritic cells.FCGRT & B2M heterodimer protein (FcRn complex) consist of two subunits: p51, and p14 , and forms an MHC class I-like heterodimer.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 46.5 kDa. Due to glycosylation, the protein migrates to 48-50KD based on Bis-Tris PAGE result.
Endotoxin	Less than 0.05EU per ug by the LAL method.

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Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	The product should be stored at -70°C. Please do not 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

GENE INFORMATION

Gene Name	FCGRT Fc fragment of IgG receptor and transporter [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	FCGRT; B2M
Synonyms	FcRn alpha chain; alpha-chain; Fc fragment of IgG, receptor, transporter, alpha; FCGRT; FCRN; FCRNimmunoglobulin receptor, intestinal, heavy chain; IgG Fc fragment receptor transporter alpha chain; IgG receptor FcRn large subunit p51; major histocompatibility complex class I-like Fc receptor; Neonatal Fc receptor; neonatal Fc-receptor for Ig
Gene ID	102128913
mRNA Refseq	NM_001284551.1
Protein Refseq	NP_001271480.1
UniProt ID	Q8SPV9

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