

Biotinylated Recombinant Cynomolgus FcRn/FCGRT&B2M Protein

Catalog No.: RP02363B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102128913&101867173	Q8SPV9&Q8S PW0

Tags

C-His&Avi

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 histocompatibil

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
46.5 kDa	50-60 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

 | 400-999-6126

Background

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.

Basic Information

Description

Biotinylated Recombinant Cynomolgus FcRn/FCGRT&B2M Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met1-Ser297(FCGRT)&Met1-Met119(B2M)) of Cynomolgus FcRn fused with a His tag and Avi tag at the C-terminal.

Bio-Activity

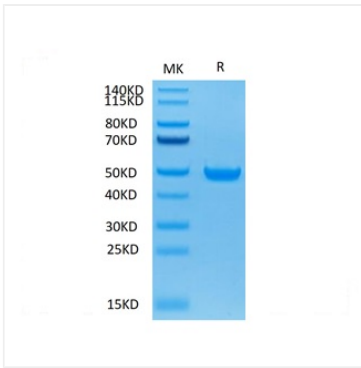
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

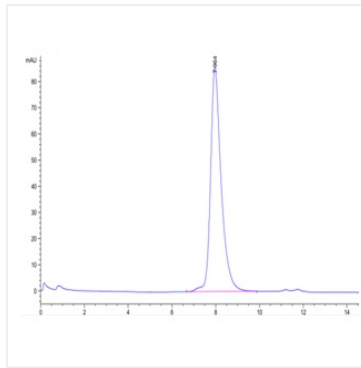
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Biotinylated Recombinant FcRn on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated FcRn is greater than 95% as determined by SEC-HPLC.