

Biotinylated Recombinant Human FcRn/FCGRT&B2M Protein

Catalog No.: RP00470B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2217	P55899(FCGRT)&P61769(B2M)

Tags

C-His&Avi

Synonyms

FcRn alpha chain; FCGRT; FCRN; FCGRT&B2M

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 95% by HPLC

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial 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

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

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

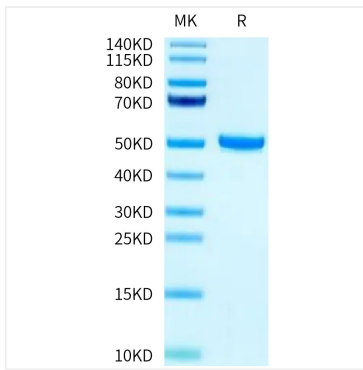
Biotinylated Recombinant Human FcRn/FCGRT&B2M Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala24-Ser297)&(Ile21-Met119) of Human FcRn/FCGRT&B2M (Accession #P55899&P61769) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

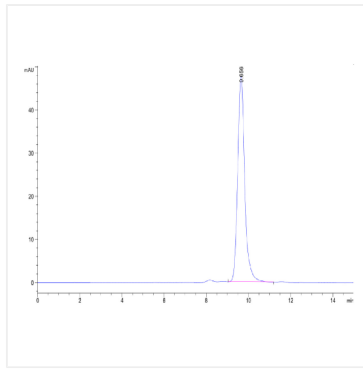
Storage

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.

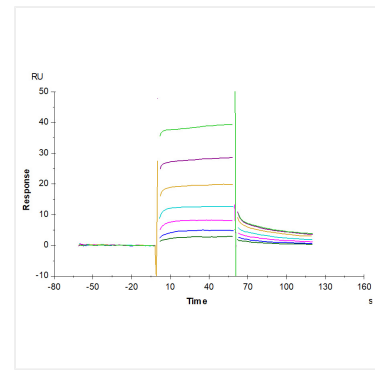
Validation Data



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



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



Biotinylated Human FcRn, His Tag captured on CM5 Chip via anti-his antibody can bind Trastuzumab with an affinity constant of 0.557 μM as determined in SPR assay (Biacore T200).