

Biotinylated Recombinant Cynomolgus FcRn Protein

Catalog No.: RP02364B **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 and HPLC

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

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

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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 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.

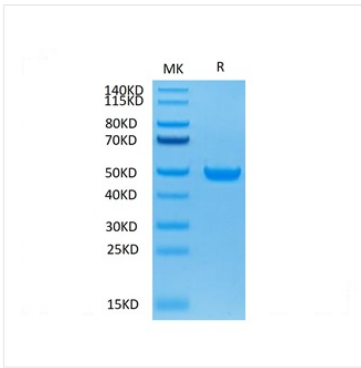
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

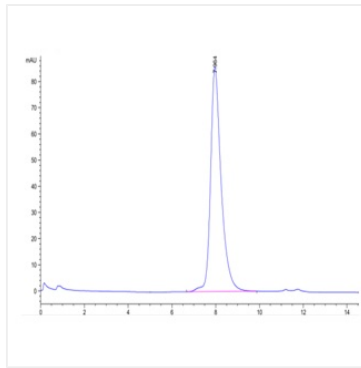


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Validation Data



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.