Biotinylated Recombinant Cynomolgus FcRn /FCGRT&B2M Protein

Catalog No.: RP02363B

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Sequence Information

Species	Gene ID
Cynomolgus	102128913&101867173

Swiss Prot	Tags
Q8SPV9&Q8SPW0	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 % as determined by Tris-Bis PAGE;≥ 95 % as determined by 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the

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 .

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20℃

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

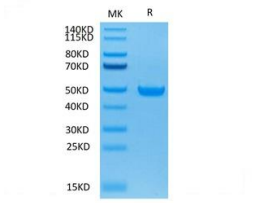
Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

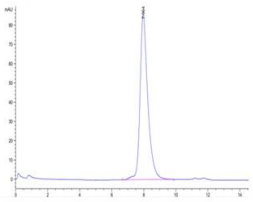
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reconstituted protein solution to minimize free-thaw cycles.

Validation Data



Biotinylated Recombinant Cynomolgus FcRn/FCGRT&B2M Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



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

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