

RP00694

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Recombinant Mouse FcRn/FCGRT & B2M Heterodimer Protein

Catalog No.: RP00694 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse		Q61559&P01887

Tags

C-6×His

Synonyms

IgG receptor FcRn; Neonatal Fc receptor; FCRN

Product Information

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

Endotoxin

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

Formulation

Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in 1X PBS.

Background

FcRn complex consists of two subunits: IgG receptor FcRn large subunit p51 (α chain) and Beta-2-microglobulin (β chain). The complex is similar in structure to MHC class I-like heterodimer. Beta-2-microglobulin is involved in the presentation of peptide antigens to the immune system. FcRn binds to the Fc region of monomeric immunoglobulins gamma, mediates the uptake of IgG from milk. Possible role in transfer of immunoglobulin G from mother to fetus. A principal component of antibody transport is the neonatal receptor for the Fc portion of immunoglobulin, a heterodimer of a MHC-1 α-chain homolog (FcRn) and β-2-microglobulin (β2M).

Basic Information

Description

Recombinant Mouse FcRn/FCGRT & β2M Heterodimer Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Ser22-Val301 (FCRN) & Ile21-Met119 (β2M)) of mouse FcRn/FCGRT & β2M Heterodimer (Accession #Q61559&P01887) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

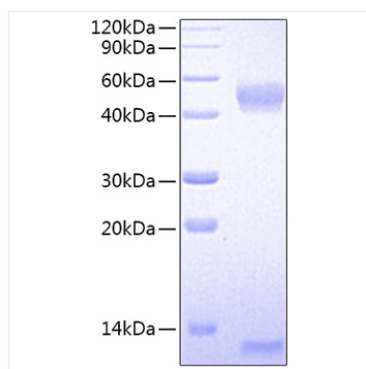
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse FcRn/FCGRT & B2M Heterodimer Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.