

# Recombinant Mouse FcRn Protein

Catalog No.: RP02030 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	14132/12010	P01887&Q61559

**Tags**  
C-His&Avi

**Synonyms**  
FcRn;Ly-m11; beta2-m; beta2m

## Product Information

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

**Endotoxin**  
< 0.1 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**  
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

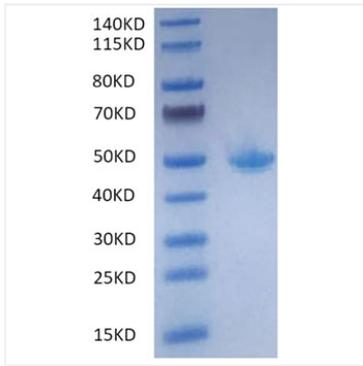
**Description**  
Recombinant Human Nectin-4 Protein is produced by mammalian expression system. The target protein is expressed with sequence (Ser22-Ser297 (FCGRT) & Ile21-Met119 (B2M)) of mouse FcRn (Accession #P01887&Q61559) fused with a 6xHis, Avi tag at the C-terminus.

## 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.

## Validation Data

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Recombinant Mouse FcRn Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 47.1 kDa.