Product Name: Recombinant Human FcRn Heterodimer (C-6His)
Catalog #: PHH0633

Summary

Name	FcRn/FCGRT & B2M Heterodimer
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human IgG Fc Fragment Receptor Transporter is produced by our Mammalian expression system and the target gene encoding Ala24-Ser297&Ile21-Met119 is expressed with a 6His tag at the C-terminus.
Accession #	P61769
Host	Human Cells
Species	Human
Predicted Molecular Mass	31.2&11.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 50mM HEPES, 150mM NaCl, pH7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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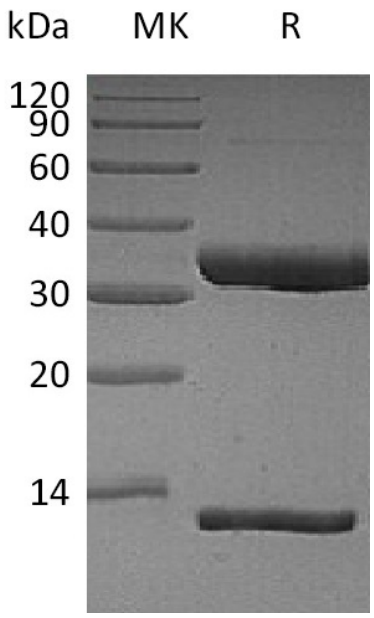

Alternative Names

IgG receptor FcRn; Neonatal Fc receptor; FCRN

Background

FcRn complex consist of two subunits: IgG receptor FcRn large subunit p51 (alpha chain) and Beta-2-microglobulin (Beta chain). The complexes is similar in structure to MHC class I-like heterodimer. Beta-2-microglobulin 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 alpha-chain homolog (FcRn) and beta-2-microglobulin (B2M).

Note

For Research Use Only , Not for Diagnostic Use.