

Recombinant Mouse FcRn & B2M Heterodimer Protein(C-6His)

Cat.NO.: TP04821

3th Edition

Synonyms:IgG receptor FcRn; Neonatal Fc receptor; FCRN

Description:FcRn complex consist of two subunits: IgG receptor FcRn large subunit p51(α chain) and Beta-2-microglobulin(β 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).

Form:PBS

Molecular Weight:44.1 kDa

Sequences:Ser22-Val301&Ile21-Met119

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.