

# Mouse FcRn heterodimer Protein - Biotin

**Product Code:** ICH3029B

**More Information**

**Species Reactivity:** Mouse

**Target:** Mouse FcRn heterodimer Protein

**Host:** Human embryonic kidney (HEK) 293 cells

**product name H2:** Mouse FcRn heterodimer Protein - Biotin

**UniProt:** Q61559 / P01887

**Shipping Conditions:** Ambient

**background:** Mouse FcRn extends the circulating half-life of IgG and albumin via pH-dependent recycling and is a routine reference in preclinical antibody pharmacokinetic studies. This biotinylated recombinant mouse FcRn heterodimer from HEK 293 cells is suited to streptavidin-capture SPR, BLI and ELISA assays, where oriented immobilization improves the fidelity of pH-dependent IgG binding measurements. The reagent is non-therapeutic and for research use only, prepared to in vivo grade with ultra-low endotoxin. Scalable milligram (mg) to gram (g) availability makes it practical for high-throughput and heavy-usage laboratories running large-scale murine FcRn binding experiments.

**Other names:** FcRn, FCGRT, FCGRT & B2M, FCGRT and B2M, Neonatal Fc receptor, Neonatal receptor, Brambell receptor

**Specificity:** The sequence of the extracellular domain of mouse FCGRT (Ser 22-Ser 297) was fused with a C-terminal tag consisting of the AVI tag, TEV protease recognition sequence and a 10-His tag. This was co-transfected with the sequence of mouse B2M (Ile 21-Met 119) and the resulting FcRn heterodimer was purified. The full protein sequences can be downloaded from the product webpage.

**Formulation:** Lyophilized from sterile PBS, pH 7.4. No preservatives or cryoprotectants have been added. To obtain a final concentration of 1 mg/ml reconstitute 0.25 mg vials with 0.25 ml water and 1.0 mg vials with 1.0 ml water.



**Purity:** >95% monomer purity as determined by SDS-PAGE and SEC-HPLC.

**Endotoxin:** 1.0 EU per mg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable at ambient temperature for at least 2 weeks. If the protein is not to be used immediately then the protein should be stored in lyophilized form at -20 °C for up to 12 months. Once the protein has been reconstituted we recommend

**Applications:** SPR, BLI, ELISA

**Use:** Products are for research use only. Not for use in diagnostic or therapeutic procedures.