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## Data Sheet

### **FcRn (FCGRT/B2M), His-Avi-Tag, Biotin-Labeled**

Mouse, Recombinant, C-terminal His-Avi-tag

**Catalog #:** 71286

**Lot #:** 161215

**Conc.:** 1.85 mg/ml

**Formulated in:** 8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

**Stability:** At least 6 months at  $-80^{\circ}\text{C}$ . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary use carrier protein (BSA 0.1 – 0.5%).

**References:**

1. Roopenian, D., *et al.*, *Nature*. 2007 Sep 7: 715-725
2. Shields, R. *et al.*, *Biological Chemistry*. 2000 Nov; **276**:6591-6604.

**Description:** Mouse FcRn also known as Neonatal Fc receptor is a heterodimer of FCGRT (Fc Fragment of IgG Receptor and Transporter) and B2M (beta 2 microglobulin), GenBank Accession numbers NM\_010189 and NM\_009735; a.a. 22-297 and a.a. 1-119 respectively. FCGRT has a C-terminal His-Avi-tag. This protein is enzymatically biotinylated using AviTag™ technology. These proteins are co-expressed in a HEK293 expression system. FcRn MW = 34 kDa, B2M MW = 14 kDa.

**Application:** Useful as a positive control for western blot analysis.

## **Quality Assurance**

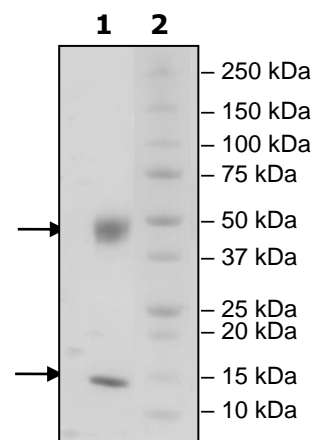
**4-20% SDS-PAGE  
 Coomassie staining**

**Lane 1:**  
 5µg FcRn/B2M

**Lane 2:**  
 Protein Marker

**MW:**  
 FcRn: 34 kDa  
 B2M: 14 kDa

**Purity:** ≥90%



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