

Recombinant Mouse FcRn Protein, His/Avi-tagged

Cat. No. FCGRT&B2M-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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. These proteins are co-expressed in a HEK293 expression system.
Species	Mouse
Source	HEK293
ProteinLength	22-297 and a.a. 1-119
Description	Predicted to enable IgG binding activity and beta-2-microglobulin binding activity. Predicted to be involved in immune response. Predicted to be located in endosome and plasma membrane. Predicted to be integral component of membrane. Predicted to be active in external side of plasma membrane and extracellular space. Is expressed in several structures, including genitourinary system; intestine; liver; sensory organ; and skeleton. Orthologous to human FCGRT (Fc fragment of IgG receptor and transporter).
Form	Aqueous buffer solution
Molecular Mass	FcRn: 34 kDa; B2M: 14 kDa
Purity	HiP™ indicates a high purity protein with ≥90% purity as measured by gel filtration.

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Storage	At least 6 months at –80 centigrade.
Storage Buffer	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.
Shipping	At -80 centigrade

GENE INFORMATION

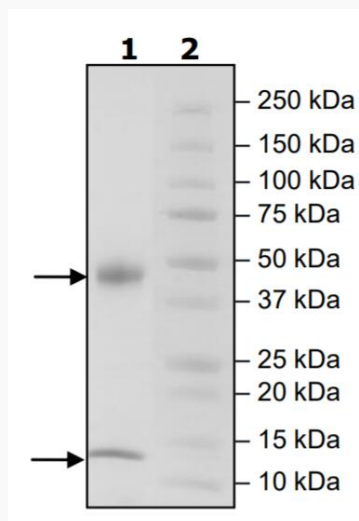
Gene Name	Fcgrt Fc fragment of IgG receptor and transporter [Mus musculus (house mouse)]
Official Symbol	Fcgrt
Synonyms	Fcgrt; Fc fragment of IgG receptor and transporter; FcRn; IgG receptor FcRn large subunit p51; Fc receptor, IgG, alpha chain transporter; igG Fc fragment receptor transporter alpha chain; neonatal Fc receptor
Gene ID	14132
mRNA Refseq	NM_010189
Protein Refseq	NP_034319
UniProt ID	Q61559

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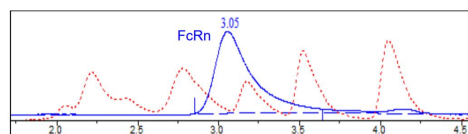
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SDS-PAGE



Gel Filtration Trace



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