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## Product Data Sheet

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Product Name: FCGRT Mouse  
 Cat. No.: GP23484  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	IgG receptor FcRn large subunit p51; FcRn; IgG Fc fragment receptor transporter alpha chain; Neonatal Fc receptor; Fcgrt; Fcrn.		
Amino Acid Sequence	ADPSETRPPL MYHLTAVSNP STGLPSFWAT GWLGPQQYLT YNSLRQEADP CGAWMWENQV SWYWEKETTD LKSKEQLFLE ALKTLEKILN GTYTLQGLLG CELASDNSSV PTAVFALNGE EFMKFNPRIG NWTGEWPETE IVANLWMKQP DAARKESEFL LNSCPERRLLG HLERGRRNLE WKEPPSMRLK ARPGNSGSSV LTCAAFSYP PELKFRFLRN GLASGSGNCS TGPNGDGSFH AWSLLEVKRG DEHHYQCQVE HEGLAQPLTV DLDSSARSSH HHHHH.		
Formulation	FCGRT protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.		

### Introduction

Fc Fragment Of IgG Receptor AndTransporter also known as FCGRT is a transmembrane glycoprotein with structuralhomology to MHC class 1 proteins. FCGRT is widely expressed in endothelial andepithelial cells and takes a vital part in IgG homeostasis. Moreover, FCGRT is expressedin neutrophils in addition myeloid antigen presenting cells. FCGRT can enhanceIgG-meditated phagocytosis as well as antigen presentation by heses cells, howeverit promotes the degradation of opsonizing IgG rather than returning it to thecirculation.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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FCGRT Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 285 amino acids (22-297 a.a) and having a molecular mass of 32.1kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).FCGRT is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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