

Datasheet for ABIN5854760  
**FcRn Protein (AA 22-297) (His tag)**



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1 Image

## Overview

Quantity:	50 µg
Target:	FcRn
Protein Characteristics:	AA 22-297
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FcRn protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	ADPSETRPPL MYHLTAVSNP STGLPSFWAT GWLGPQQYLT YNSLRQEADP CGAWMWENQV SWYWEKETTD LKSKEQLFLE ALKTLEKILN GTYTLQGLLG CELASDNSSV PTAVFALNGE EFMKFNPRIG NWTGEWPETE IVANLWMKQP DAARKESEFL LNSCPERRLLG HLERGRRNLE WKEPPSMRLK ARPGNSGSSV LTCAAFSFYP PELKFRFLRN GLASGSGNCS TGPNGDGSFH AWSLLEVKRG DEHHYQCQVE HEGLAQPLTV DLDSSARSSH HHHHH
Purity:	> 85 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

## Target Details

Target:	FcRn
Alternative Name:	Fcgrt ( <a href="#">FcRn Products</a> )

## Target Details

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**Background:** Fcgrt, as known as IgG receptor FcRn large subunit p51, is a transmembrane glycoprotein with structural homology to MHC class 1 proteins. This protein is widely expressed in endothelial and epithelial cells and plays an important role in IgG homeostasis. Also, it is expressed in neutrophils and myeloid antigen presenting cells. It can enhance IgG-mediated phagocytosis and antigen presentation by these cells, but it promotes the degradation of opsonizing IgG rather than returning it to the circulation. Recombinant mouse Fcgrt, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Molecular Weight:** 32.1kDa (285aa) 40-57kDa (SDS-PAGE under reducing conditions.)

**NCBI Accession:** [NP\\_034319](#)

**UniProt:** [Q61559](#)

**Pathways:** [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

## Application Details

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**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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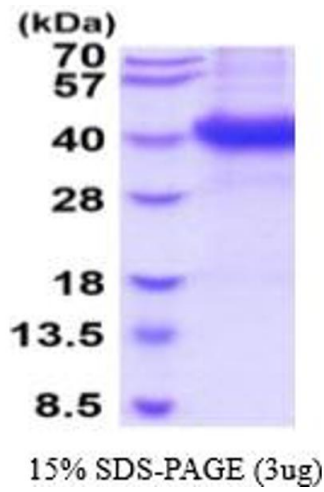
**Format:** Liquid

**Concentration:** 0.5 mg/mL

**Buffer:** Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 10 % glycerol.

**Storage:** 4 °C,-20 °C,-80 °C

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



**SDS-PAGE**

Image 1.