

Datasheet for ABIN7583297

FcRn Protein (AA 23-298) (His tag)



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Overview

Quantity:	100 µg
Target:	FcRn
Protein Characteristics:	AA 23-298
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FcRn protein is labelled with His tag.

Product Details

Purpose:	Rat FcRn Protein
Sequence:	Ala23-Ser298(FCGRT) & Ile21-Met119(B2M)
Characteristics:	Recombinant Rat FcRn Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ala23-Ser298 (FCGRT) and Ile21-Met119 (B2M).
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	FcRn
Alternative Name:	FcRn (FcRn Products)

Target Details

Background:	The neonatal Fc receptor (FCRN) is an approximately 45 kDa transmembrane glycoprotein with structural homology to MHC class I proteins. It is widely expressed in endothelial and epithelial cells and plays an important role in IgG homeostasis and antigen presentation by dendritic cells.FCGRT & B2M heterodimer protein (FcRn complex) consist of two subunits: p51, and p14 , and forms an MHC class I-like heterodimer.
Molecular Weight:	32.60 kDa (FCGRT) and 11.63 kDa (B2M). Due to glycosylation, the protein migrates to 45-60 kDa (FCGRT) and 13-15 kDa (B2M) based on Tris-Bis PAGE result.
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months