

Datasheet for ABIN7504325

FcRn Protein (AA 22-297) (His-Avi Tag,Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FcRn
Protein Characteristics:	AA 22-297
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FcRn protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Mouse FcRn Protein
Sequence:	Ser22-Ser297(FCGRT) & Ile21-Met119(B2M)
Characteristics:	Recombinant Biotinylated Mouse FcRn Protein is expressed from HEK293 His tag and Avi tag at the C-Terminus.It contains Ser22-Ser297 (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:	47.1 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
UniProt:	P01887 , Q61559
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:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months