

Datasheet for ABIN7504324

FcRn Protein (AA 24-297) (His-Avi Tag,Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FcRn
Protein Characteristics:	AA 24-297
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FcRn protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human FcRn Protein
Sequence:	Ala24-Ser297(FCGRT) & Ile21-Met119(B2M)
Specificity:	Uni-Prot: P55899 (FCGRT), P61769 (B2M)
Characteristics:	Recombinant Biotinylated Human FcRn Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ala24-Ser297(FCGRT)&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
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Target Details

Alternative Name:	FcRn (FcRn Products)
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:	46.5 kDa. Due to glycosylation, the protein migrates to 48-55 kDa based on Tris-Bis PAGE result.
UniProt:	P55899
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