Datasheet for ABIN2720989

FcRn Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	FcRn
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FcRn protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human FCGRT / FCRN (transcript variant 1) protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	FcRn
Alternative Name:	Fcgrt,fcrn (FcRn Products)
Background:	This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants.

Target Details

Molecular Weight:	39.6 kDa
NCBI Accession:	NP_004098
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

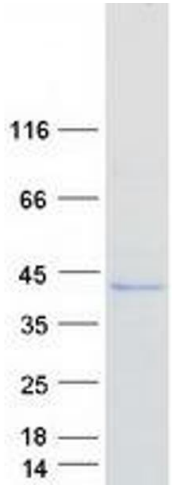
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Fan, Neubert: "Quantitative Analysis of Human Neonatal Fc Receptor (FcRn) Tissue Expression in Transgenic Mice by Online Peptide Immuno-Affinity LC-HRMS." in: **Analytical chemistry**, Vol. 88, Issue 8, pp. 4239-47, (2016) (PubMed).



Western Blotting

Image 1. Validation with Western Blot

