

Datasheet for ABIN4949195

FcRn Protein (AA 16-289) (His tag,Strep Tag)



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1 Image

Overview

Quantity:	50 µg
Target:	FcRn
Protein Characteristics:	AA 16-289
Origin:	Pig
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FcRn protein is labelled with His tag,Strep Tag.
Application:	Functional Studies (Func)

Product Details

Sequence:	AA 16-289
Characteristics:	Porcine FcRn / FCGRT & B2M heterodimer protein, produced by co-expression of FCGRT and B2M, has a calculated MW of 32.3 kDa (FCGRT) and 12.8 kDa (B2M). Subunit FCGRT is fused with a polyhistidine tag at the C-terminus and subunit Beta-2 microglobulin (B2M) is fused with a Strep II tag at the C-terminus. The predicted N-terminus is Asp 16 (FCGRT) & Val 21 (B2M). The reducing (R) protein migrates as 36 kDa (FCGRT) and 15 kDa (B2M) respectively.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FcRn
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Target Details

Alternative Name:	FcRn (FcRn Products)
Background:	FCGRT & B2M heterodimer protein (FcRn complex) consist of two subunits: p51 (equivalent to FCGRT), and p14 (equivalent to beta-2-microglobulin), and forms an MHC class I-like heterodimer. Fc fragment of IgG, receptor, transporter, alpha (FCGRT) binds to the Fc region of monomeric immunoglobulins gamma and mediates the uptake of IgG from milk. FCGRT possible role in transfer of immunoglobulin G from mother to fetus. Beta-2-microglobulin (B2M) is a component of the class I major histocompatibility complex (MHC) and involved in the presentation of peptide antigens to the immune system.
Molecular Weight:	32.3 kDa (FCGRT) & 12.8 kDa (B2M)
Gene ID:	18, 17
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

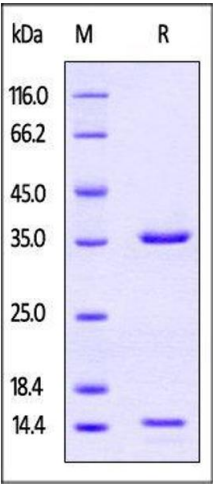
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



SDS-PAGE

Image 1. Porcine FcRn / FCGRT & B2M on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.