Datasheet for ABIN7317398

COL9A1 Protein (Fc Tag)

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Overview

Quantity:	100 µg
Target:	COL9A1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COL9A1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human COL9A1 Protein (Fc Tag)
Sequence:	Met 1-Pro328
Characteristics:	A DNA sequence encoding the human COL9A1 (P20849-3) (Met1-Pro328) was fused with Fc region of mouse IgG at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	COL9A1
Alternative Name:	COL9A1 (COL9A1 Products)
Background:	Background: Ubiquinone biosynthesis protein COQ7 homolog; also known as Coenzyme Q biosynthesis protein 7 homolog; Timing protein clk-1 homolog and COQ7; is a mitochondrion inner membrane and peripheral membrane protein which belongs to the COQ7 family. It is

Target Details

	expressed dominantly in heart and skeletal muscle. COQ7 is synthesized as a preprotein that is imported into the mitochondrial matrix; where the sequence is cleaved off and the mature protein becomes loosely associated with the inner membrane. This enzyme is responsible for the hydroxylation of 5-demethoxyubiquinone to 5-hydroxyubiquinone. Human COQ7 protein is mostly helical; and contains an alpha-helical membrane insertion. It has a potential N-glycosylation site; a phosphorylation site for protein kinase C and another for casein kinase II; and three N-myristoylation sites. COQ7 is involved in lifespan determination in ubiquinone-independent manner. It is also involved in ubiquinone biosynthesis. COQ7 is potential central metabolic regulator. Synonym: DJ149L1.1.2;EDM6;MED;STL4;Collagen alpha-1(IX) chain;DJ149L1.1.2
Molecular Weight:	59.2 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.