Datasheet for ABIN7197075

MYOC Protein (His tag)

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Overview

Quantity:	50 µg
Target:	MYOC
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYOC protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human MYOC/Myocilin Protein (His Tag)
Sequence:	Met 1-Met 504
Characteristics:	A DNA sequence encoding the full length of human MYOC (Q99972) (Met 1-Met 504) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	MYOC
Alternative Name:	MYOC/Myocilin (MYOC Products)
Background:	Background: Myocilin, also known as Trabecular meshwork-induced glucocorticoid response protein, MYOC and GLC1A, is a protein which contains one olfactomedin-like domain. Myocilin / MYOC may participate in the obstruction of fluid outflow in the trabecular meshwork. Myocilin /

Target Details

	MYOC is expressed in large amounts in various types of muscle, ciliary body, papillary sphincter, skeletal muscle, heart and other tissues. Myocilin / MYOC is expressed predominantly in the retina. In normal eyes, it is found in the inner uveal meshwork region and the anterior portion of the meshwork. In contrast, in many glaucomatous eyes, it is found in more regions of the meshwork and appeared more intensively than in normal eyes, regardless of the type or clinical severity of glaucoma. Defects in Myocilin / MYOC may contribute to primary congenital glaucoma type 3A (GLC3A). Defects in MYOC may also contribute to this phenotype via digenic inheritance. GLC3A is an autosomal recessive form of primary congenital glaucoma (PCG). PCG is characterized by marked increase of intraocular pressure at birth or early choldhood, large ocular globes (buphthalmos) and corneal edema. Synonym: GLC1A;GPOA;JOAG;JOAG1;myocilin;TIGR
Molecular Weight:	54.7 kDa
UniProt:	Q99972

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.