Recombinant Full Length Human MYOC Protein

Cat. No. MYOC-326HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Myocilin with N terminal proprietary tag, 81.55 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	504 amino acids
Description	MYOC encodes the protein myocilin, which is believed to have a role in cytoskeletal function. MYOC is expressed in many occular tissues, including the trabecular meshwork, and was revealed to be the trabecular meshwork glucocorticoid-inducible response protein (TIGR). The trabecular meshwork is a specialized eye tissue essential in regulating intraocular pressure, and mutations in MYOC have been identified as the cause of hereditary juvenile-onset open-angle glaucoma.
Form	Liquid
Molecular Mass	81.550kDa inclusive of tags
AA Sequence	MRFFCARCCSFGPEMPAVQLLLLACLVWDVGARTAQLRKA NDQSGRCQYTFSVA SPNESSCPEQSQAMSVIHNLQRDSST QRLDLEATKARLSSLESLLHQLTLDQAARP QETQEGLQRE LGTLRRERDQLETQTRELETAYSNLLRDKSVLEEEKKRLR QENEN LARRLESSSQEVARLRRGQCPQTRDTARAVPPGSR EVSTWNLDTLAFQELKSELT EVPASRILKESPSGYLRSGE GDTGCGELVWVGEPLTLRTAETITGKYGVWMRDPKP TYPY TQETTWRIDTVGTDVRQVFEYDLISQFMQGYPSKVHILPR PLESTGAVVYSG

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	SLYFQGAESRTVIRYELNTETVKAEKEI PGAGYHGQFPYSWGGYTDIDLAVDEAGL WVIYSTDEAKGA IVLSKLNPENLELEQTWETNIRKQSVANAFIICGTLYTVS SYTSAD ATVNFAYDTGTGISKTLTIPFKNRYKYSSMIDYN PLEKKLFAWDNLNMVTYDIKLSKM
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	MYOC myocilin, trabecular meshwork inducible glucocorticoid response [Homo sapiens]
Official Symbol	MYOC
Synonyms	MYOC; myocilin, trabecular meshwork inducible glucocorticoid response; GLC1A; myocilin; JOAG1; TIGR
Gene ID	4653
mRNA Refseq	NM_000261
Protein Refseq	NP_000252
MIM	601652
UniProt ID	Q99972

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