

# Recombinant Full Length Human MYOC Protein

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Myocilin with N terminal proprietary tag, 81.55 kDa.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	504 amino acids
<b>Description</b>	MYOC encodes the protein myocilin, which is believed to have a role in cytoskeletal function. MYOC is expressed in many ocular 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.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	81.55kDa inclusive of tags
<b>AA Sequence</b>	MRFFCARCCSFGPEMPAVQLLLLACLWVDVGARTAQLRKA NDQSGRCQYTFSSVA SPNESSCPEQSQAMSVIHNLQRDSST QRLDLEATKARLSSLESLLHQLTLDQAARP QETQEGLQRE LGTLRRERDQLETQTRELETAYSNLLRDKSVLEEEKKRLR QENEN LARRLESSSQEVARLRRGQCPQTRDTARAVPPGSR EVSTWNLDTLAFQELKSELT EVPASRILKESPSGYLRSGE GDTGCGELVWVGEPLTLRTAETITGKYGVWMRDPKP TYPY TQETTWRIDTVGTDVQRQVFEYDLISQFMQGYPSKVHILPR PLESTGAVVYSG

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SLYFQGAESRTVIRYELNTETVKAEKEI PGAGYHGQFPYSWGGYTDIDLAVDEAGL  
 WVIYSTDEAKGA IVLSKLNPENLELEQTWETNIRKQSVANAFIICGTLYTVS SYTSAD  
 ATVNFAYDTGTGISKTLTIPFKNRYKYSSMIDYN PLEKKLFAWDNLNMVTDIKLSKM

**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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