

# Recombinant Full Length Human MYOC Protein, GST-tagged

Cat. No. MYOC-6605HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human MYOC full-length ORF ( AAH29261, 1 a.a. - 504 a.a.) recombinant protein with GST-tag at N-terminal.
<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. [provided by RefSeq]
<b>Molecular Mass</b>	81.18 kDa
<b>AA Sequence</b>	MRFFCARCCSFGPEMPAVQLLLLACLVDVGARTAQLRKANDQSGRCQYTFSVAS PNESSCPEQSQAMSVIHNLQRDSSTQRLDLEATKARLSSLESLLHQLTLDQAARPQ ETQEGLQRELGLRRERDQLETQTRELETAYSNLLRDKSVLEEEKKRLRQENENLA RRLESSSQEVARLRGQCPQTRDARAVPPGSREVSTWNLDLAFQELKSELTEVP ASRILKESPSGYLRSGEGDTGCGELVWVGEPLTLRTAETITGKYGVWMRDPKPTYP YTQETTWRIDTVGTDVVRQVFEYDLISQFMQGYPSKVHILPRPLESTGAVVYSGSLYF

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QGAESRTVIRYELNTE TVKAEKEIPGAGYHGQFPYSWG GYTDIDLAVDEAGLWVIYS  
TDEAKG AIVLSKLN PENLELEQTWETNIRKQSVANAFIICGTL YTVSSYTSADATVNFA  
YDTGTGISKTLTIPFKNRYKYSSMIDYNPLEKKLFAWDNLNMVTYDIKLSKM

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MYOC myocilin, trabecular meshwork inducible glucocorticoid response [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">MYOC</a>
<b>Synonyms</b>	MYOC; myocilin, trabecular meshwork inducible glucocorticoid response; GLC1A; myocilin; JOAG1; TIGR; mutated trabecular meshwork-induced glucocorticoid response protein; GPOA; JOAG;
<b>Gene ID</b>	<a href="#">4653</a>
<b>mRNA Refseq</b>	<a href="#">NM_000261</a>
<b>Protein Refseq</b>	<a href="#">NP_000252</a>

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<b>MIM</b>	601652
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<b>UniProt ID</b>	Q99972
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