

Recombinant Full Length Human MYOC Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human MYOC full-length ORF (AAH29261, 1 a.a. - 504 a.a.) recombinant protein with GST-tag at N-terminal.
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 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]
Molecular Mass	81.18 kDa
AA Sequence	MRFFCARCCSFGPEMPAVQLLLLACLVWDVGARTAQLRKANDQSGRCQYTFSVAS PNESSCPEQSQAMSVIHNLQRDSSTQRLDLEATKARLSSLESLLHQLTLDQAARPQ ETQEGLQRELGLRRERDQLETQTRELETAYSNLLRDKSVLEEEKKRLRQENENLA RRLESSSQEVARLRGQCPQTRDTARAVPPGSREVSTWNLDTLAFQELKSELTEVP ASRILKESPSGYLRSGEGDTGCGELVWVGEPLTLRTAETITGKYGVWMRDPKPTYP YTQETTWRIDTVGTDVVRQVFEYDLISQFMQGYPSKVHILPRPLESTGAVVYSGSLYF

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QGAESRTVIRYELNTETVKAKEIPGAGYHGQFPYSWGGYTDIDLAVDEAGLWVIYS
TDEAKGAIVLSKLNPENLELEQTWETNIRKQSVANAFICGTLYTVSSYTSADATVNFA
YDTGTGISKTLTIPFKNRYKYSSMIDYNPLEKKLFAWDNLNMVTYDIKLSKM

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; mutated trabecular meshwork-induced glucocorticoid response protein; GPOA; JOAG;

Gene ID

4653

mRNA Refseq

NM_000261

Protein Refseq

NP_000252

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MIM	601652
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UniProt ID	Q99972
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