

Recombinant Human MYOC Protein

Cat. No. MYOC-824H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MYOC protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	504
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.
Form	Lyophilized
Molecular Mass	32 kDa
AA Sequence	MRFFCARCCSFGPEMPAVQLLLLACLVWDVGARTAQLRKANDQSGRCQYTFSVAS PNESSCPEQSQAMSVIHNLQRDSSTQRLDLEATKARLSSLESLLHQLTLDQAARPQ ETQEGLQRELGLRRERDQLETQTRELETAYSNLLRDKSVLEEEKKRLRQENENLA RRLESSSQEVARLRGQCPQTRDTARAVPPGSREVSTWNLDTLAFQELKSELTEVP ASRILKESPSGYLRSGEGDTGCGELVWVGEPLTLRTAETITGKYGVWMRDPKPTY YTQETTWRIDTVGTDVRQVFEYDLISQFMQGYPSKVHILPRPLESTGAVVYSGSLYF

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QGAESRTVIRYELNTETVKAKEIPGAGYHGQFPYSWGGYTDIDLAVDEAGLWVIYS
TDEAKGAIVLSKLNPNENLELEQTWETNIRKQSVANAFIICGTLYTVSSYTSADATVNFA
YDTGTGISKTLTIPFKNRYKYSSMIDYNPLEKKLFAWDNLNMVTYDIKLSKM

Purity	> 98%
Applications	Migration Assay; WB; ELISA;
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	MYOC myocilin, trabecular meshwork inducible glucocorticoid response [Homo sapiens (human)]
Official Symbol	MYOC
Synonyms	MYOC; myocilin, trabecular meshwork inducible glucocorticoid response; GLC1A;

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myocilin; JOAG1; TIGR; mutated trabecular meshwork-induced glucocorticoid response protein; GPOA; JOAG;

Gene ID 4653

mRNA Refseq NM_000261

Protein Refseq NP_000252

MIM 601652

UniProt ID Q99972

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