

Recombinant Full Length Human MYOC Protein, C-Flag-tagged

Cat. No. MYOC-296HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MYOC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	56.8 kDa
AA Sequence	MRFFCARCCSFSGPEMPAVQLLLLACLVWDVGARTAQLRKANDQSGRCQYTF SVAS PNESSCPEQSQAMSV IHNLRQDSSTQRLDLEATKARLSSLESLLHQLTLDQAARPQ ETQEGLQRELGLRRERDQLETQTRELET AYNLLRDKSVLEEEKKRLRQENENLA RRLESSSQEVARLRRGQCPQTRDTARAVPPGSREVSTWNLDL AFQELKSELTEV PASRILKESPSGYLRSGEGDTGCGELVWVGEPLTLRTAETITGKYGVWMRDPKPTY PY TQETTWRIDTVGTDVRQVF EYDLISQFMQGYPSKVHILPRPLESTGAVVYSGSLY FQGAESRTVIRYELN TETVKAKEIPGAGYHGQFPYSWG GYTDIDLAVDEAGLWVIY

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STDEAKGAIVLSKLNPENLELEQWTWETN IRKQSVANAFIICGTLYTVSSYTSADATVN
 FAYDTGTGISKTLTIPFKNRYKYSSMIDYNPLEKKLFAWD
 NLNMVTYDIKLSKMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	MYOC myocilin [Homo sapiens (human)]
Official Symbol	MYOC
Synonyms	GPOA; JOAG; TIGR; GLC1A; JOAG1
Gene ID	4653
mRNA Refseq	NM_000261.2

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Protein Refseq [NP_000252.1](#)

MIM [601652](#)

UniProt ID [Q99972](#)



Coomassie blue staining of purified MYOC protein.

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