

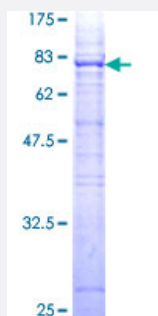
Full-Length

MYOC (Human) Recombinant Protein (P01)

Catalog # H00004653-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MYOC full-length ORF (AAH29261, 1 a.a. - 504 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRFFCARCCSFGPEMPAVQLLLLACLVWDVGARTALRKANDQSGRCQYTFSVASPNNESSCP
EQSQAMSVIHNLQRDSSTQRLDLEATKARLSSLESLLHQLTLDQAARPQETQEGLQRELGLRRE
RDQLETQTRELETAYSNLLRDKSVLEEEKKRLRQENENLARRLESSSQEVARLRRGQCPQTRDT
ARAVPPGSREVSTWNLDTLAFQELKSELTEVPASRILKESPSGYLRSGEGDTGCGELVWVGEPL
TLRTAETITGKYGVWMRDPKPTYPTQETTWRIDTVGTDVRQVFEYDLISQFMQGYPSKVHILPRPL
ESTGAVVYSGSLYFQGAESRTVIRYELNTE TVKAEKEIPGAGYHGQFPYSWGGYTDIDLAVDEAGL
WVIYSTDEAKGAMLSKLNPENLELEQTWETNIRKQSVANAFIICGTLTYTVSSYTSADATVNFAYDTG
TGISKTLTIPFKNRYKYSSMIDYNPLEKKLFAWDNLNMVTYDIKLSKM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.18

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

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

Gene Info — MYOC

Entrez GeneID[4653](#)**GeneBank Accession#**[BC029261](#)**Protein Accession#**[AAH29261](#)**Gene Name**

MYOC

Gene Alias

GLC1A, GPOA, JOAG, JOAG1, TIGR, myocilin

Gene Description

myocilin, trabecular meshwork inducible glucocorticoid response

Omim ID[137750 601652](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

OTTHUMP00000032681|mutated trabecular meshwork-induced glucocorticoid response protein|myocilin

Disease

- [Exfoliation Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Hypertension](#)
- [Myopia](#)
- [Ocular Hypertension](#)
- [Parkinson disease](#)
- [Retinal Diseases](#)