

## Product datasheet for PH306556

### Myocilin (MYOC) (NM\_000261) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MYOC MS Standard C13 and N15-labeled recombinant protein (NP_000252)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206556
Predicted MW:	56.8 kDa
Protein Sequence:	>RC206556 representing NM_000261 Red=Cloning site Green=Tags(s)

MRFFCARCCSFGPEMPAVQLLLLACLVDVGARTAQLRKANDQSGRCQYTFVSPNESSCPEQSQAMSV  
IHNLQRDSSTQRLDLEATKARLSSLESLLHQLTLDQAARPQETQEGLQRELGTLRRERDQLETQTRELET  
AYSNLLRDKSVLEEEKKRLRQENENLARRLESSSQEVARLRRGQCPQTRDTARAVPPGSREVSTWNLDTL  
AFQELKSELTEVPASRILKESPSGYLRSGEGDTGCGELVWVGEPLTLRTAETITGKYGVWVRDPKPTYPY  
TQETTWRIDTVGTDVRQVFEYDLISQFMQGYPSKVHILPRPLESTGAVVYSGSLYFQGAESRTVIRYELN  
TETVKAKEIPGAGYHGQFPYSWGGYTDIDLAVDEAGLWVIYSTDEAKGAIVLSKLNPENLELEQTWETN  
IRKQSVANAFIICGTLTYVSSYTSADATVNFAYDTGTGISKTLTIPFKNRYKYSSMIDYNPLEKCLFAWD  
NLNMVTYDIKLSKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000252</u>
RefSeq Size:	2061
RefSeq ORF:	1512



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**Synonyms:** GLC1A; GPOA; JOAG; JOAG1; TIGR

**Locus ID:** 4653

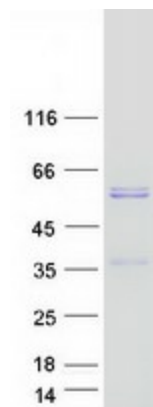
**UniProt ID:** [Q99972](#), [A0A0S2Z421](#)

**Cytogenetics:** 1q24.3

**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, Jul 2008]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified MYOC protein (Cat# [TP306556]). The protein was produced from HEK293T cells transfected with MYOC cDNA clone (Cat# [RC206556]) using MegaTran 2.0 (Cat# [TT210002]).