

## Product datasheet for RC206556L3V

## OriGene Technologies, Inc.

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## Myocilin (MYOC) (NM 000261) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** Myocilin (MYOC) (NM\_000261) Human Tagged ORF Clone Lentiviral Particle

Symbol: Myocilin

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

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

 Tag:
 Myc-DDK

 ACCN:
 NM\_000261

 ORF Size:
 1512 bp

**ORF Nucleotide** 

OTI Disclaimer:

Sequence:

The ORF insert of this clone is exactly the same as(RC206556).

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through

naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**RefSeg:** NM 000261.1

 RefSeq Size:
 2061 bp

 RefSeq ORF:
 1515 bp

 Locus ID:
 4653

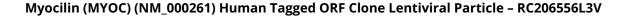
 UniProt ID:
 Q99972

 Cytogenetics:
 1q24.3

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

MW: 56.8 kDa







**Gene Summary:** 

MYOC encodes the protein myocilin, which is believed to have a role in cytoskeletal function. MYOC is expressed in many occular 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 openangle glaucoma. [provided by RefSeq, Jul 2008]