

## Product datasheet for **RC206556L4V**

### 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; JOAG; JOAG1; TIGR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000261
ORF Size:	1512 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206556).
OTI Disclaimer:	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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_000261.1</a>
RefSeq Size:	2061 bp
RefSeq ORF:	1515 bp
Locus ID:	4653
UniProt ID:	<a href="#">Q99972</a>
Cytogenetics:	1q24.3
Protein Families:	Druggable Genome, Secreted Protein
MW:	56.8 kDa



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**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, Jul 2008]