

**Specifications:**

|                |                  |
|----------------|------------------|
| Gene:          | <i>hMYOC</i>     |
| Accession:     | NP_000252        |
| Insert size:   | 1528bp           |
| Concentration: | 10µg at 0.2µg/µL |

**hMyocilin cDNA  
Plasmid**

**MYOC myocilin [ *Homo sapiens* (human) ]**

**Also known as:** GPOA; JOAG; TIGR; GLC1A; JOAG1

**Summary:**

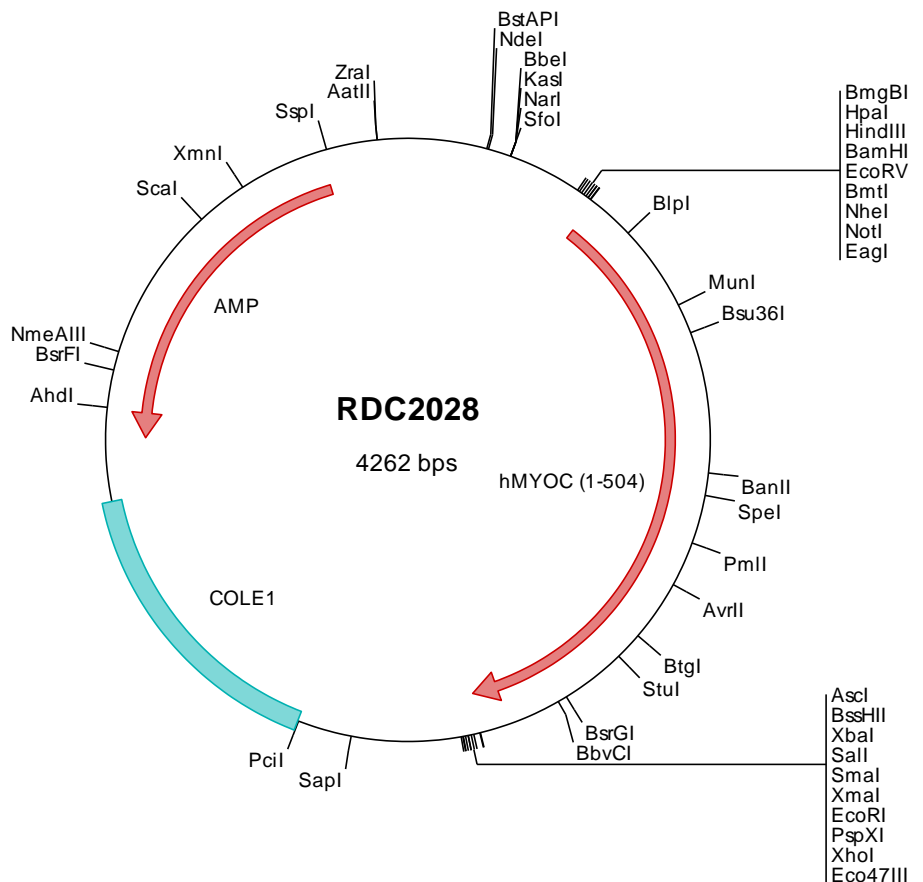
MYOC is expressed in many ocular tissues, including the trabecular meshwork, and was revealed to be the trabecular meshwork glucocorticoid-inducible response protein (TIGR). It may have a role in cytoskeletal function. The trabecular meshwork is a specialized eye tissue essential in regulating intraocular pressure, and mutations in MYOC have been identified as the cause of hereditary juvenile-onset open-angle glaucoma.

**Description**

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

**Preparation and Storage**

|             |   |
|-------------|---|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5                           |
| Shipping    | Ships at ambient temperature  |
| Stability   | 1 year from date of receipt when stored at -20°C to -80°C           |
| Storage     | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2028 Plasmid DNA Sequence

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> RDC2028 Translated Insert Sequence

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