

## 32-7444: Recombinant Human Myocilin (C-6His)(Discontinued)

**Gene :** MYOC  
**Gene ID :** 4653  
**Uniprot ID :** Q99972

### Description

Source: Human Cells.  
MW :32.3kD.

Recombinant Human Myocilin, C-terminal fragment is produced by our Mammalian expression system and the target gene encoding Ile227-Met504 is expressed with a 6His tag at the C-terminus. Myocilin is a variably glycosylated 65kD secreted polypeptide. Myocilin is a member of Olfactomedin-related protein family. Myocilin is expressed in large amounts in various types of muscle, ciliary body, papillary sphincter, skeletal muscle, heart and other tissues. Myocilin is predominantly expressed in the retina. In normal eyes, it is found in the inner uveal meshwork region and the anterior portion of the meshwork. In contrast, in many glaucomatous eyes, it is found in more regions of the meshwork and appeared more intensively than in normal eyes, regardless of the type or clinical severity of glaucoma. Myocilin may participate in the obstruction of fluid outflow in the trabecular meshwork.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** ILKESPSGYLRSGEGDTGCGELVWVGEPLTLRTAETITGKYGVWMRDPKPTYPTQETTWRIDTVGTDVQRQVFEYDLISQFMQGYPSKVHILPRPLESTGAVVYSGSLYFQGAESRTVIRYELNTETVKAKEIPGAGYHGQFPYSWGGYTDIDLAVDEAGLWVIYSTDEAKGAVLSKLNPNLELEQTWETNIRKQSVANAFICGTLTYVSSYTSADATVNFAYDTGTGISKTLTIPFKNRYKYSSMIDYNPLEKCLFAWDNLNMVTYDIKLSKMVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.