

Recombinant Human MYOC Protein, His-tagged

Cat. No. MYOC-800H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYOC(Ala224~Tyr471) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala224~Tyr471
Description	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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	29.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 92%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein.

Stability

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

MYOC myocilin, trabecular meshwork inducible glucocorticoid response [Homo sapiens]

Official Symbol

MYOC

Synonyms

MYOC; myocilin, trabecular meshwork inducible glucocorticoid response; GLC1A; myocilin; JOAG1; TIGR; mutated trabecular meshwork-induced glucocorticoid response protein; GPOA; JOAG;

Gene ID

4653

mRNA Refseq

NM_000261

Protein Refseq

NP_000252

MIM

601652

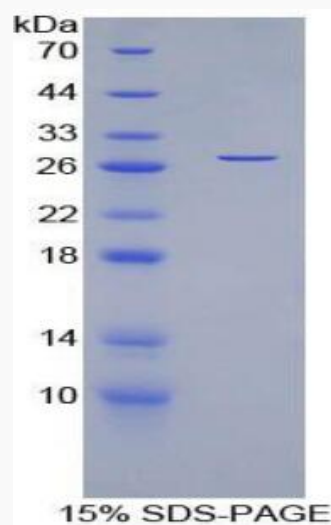
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UniProt ID

Q99972

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