Human Myocilin/MYOC (His Tag) recombinant protein

Catalog Number: 502360

General Information

Gene Name Synonym

Myocilin 55 kDa subunit; Trabecular meshwork-induced glucocorticoid response protein; Myocilin, N-terminal fragment; Myocilin 20 kDa N-terminal fragment; Myocilin, C-terminal fragment; Myocilin 35 kDa N-terminal fragment

Protein Construction

A DNA sequence encoding the full length of human MYOC (Q99972) (Met 1-Met 504) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Glu 214

Molecular Mass

The secreted recombinant human MYOC consists of 483 amino acids and has a predicted molecular mass of 54.7 kDa. Since most of the MYOC was cleaved at Glu 214, generating a C-terminal fragment of 32 kDa, the purified human MYOC migrates as an approximately 33 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

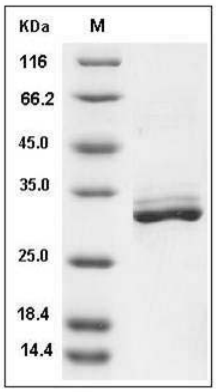
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human MYOC / Myocilin Protein (His Tag) SDS-PAGE