

Product datasheet for TP524777

Myoc (NM_010865) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse myocilin (Myoc), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR224777 protein sequence
Red=Cloning site Green=Tags(s)

MPALHLLFLACLWGMGARTAQFRKANDRSGRCQYFTVSPNESSCPREDQAMSAIQDLQRDSSIQHAD
LESTKARVRSLESLLHQMTLGRVTGTQEAQEGQLQGQLGALRRERDQLETQTRDLEAAYNNLLRDKSALEE
EKRQLEQENEDLARRLESSSEEVTRLRRGQCPSTQYPSQDMLPGSREVSQWNLDTLAFQELKSELTEVPA
SQILKENPSGRPRSKEGDKGCGALVWVGEPVTLRTAETIAGKYGVWMRDPKPTHYPYTQESTWRIDTVGTE
IRQVFEYSQISQFEQGYPSKVHVLPRALESTGAWVYAGSLYFQGAESRTVVRVYELDTETVKAKEIPGAG
YHGHFPYAWGGYTDIDLAVDESGLWVIYSTEEAKGAIVLSKLN PANLELERTWETNIRKQSVANAFVICG
ILYTVSSYSSAHATVNFAYDTKGTSTKLTIPFTNRYKYSSMIDYNPLERKLEFAWDNFMVYDIKLEEM

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 55.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_034995](#)

Locus ID: 17926



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UniProt ID: [O70624](#), [Q05AC1](#)

RefSeq Size: 2093

Cytogenetics: 1 70.29 cM

RefSeq ORF: 1473

Synonyms: AI957332; GLC1A; TIGR

Summary: Secreted glycoprotein regulating the activation of different signaling pathways in adjacent cells to control different processes including cell adhesion, cell-matrix adhesion, cytoskeleton organization and cell migration. Promotes substrate adhesion, spreading and formation of focal contacts. Negatively regulates cell-matrix adhesion and stress fiber assembly through Rho protein signal transduction. Modulates the organization of actin cytoskeleton by stimulating the formation of stress fibers through interactions with components of Wnt signaling pathways. Promotes cell migration through activation of PTK2 and the downstream phosphatidylinositol 3-kinase signaling (By similarity). Plays a role in bone formation and promotes osteoblast differentiation in a dose-dependent manner through mitogen-activated protein kinase signaling (PubMed:23629661). Mediates myelination in the peripheral nervous system through ERBB2/ERBB3 signaling (PubMed:23897819). Plays a role as a regulator of muscle hypertrophy through the components of dystrophin-associated protein complex (PubMed:22371502). Involved in positive regulation of mitochondrial depolarization. Plays a role in neurite outgrowth. May participate in the obstruction of fluid outflow in the trabecular meshwork (By similarity).[UniProtKB/Swiss-Prot Function]