

Recombinant Human MICAL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MICAL1-1057H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

MICAL1 MS Standard C13 and N15-labeled recombinant protein (NP_073602) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes an enzyme that oxidizes methionine residues on actin, thereby promoting depolymerization of actin filaments. This protein interacts with and regulates signalling by NEDD9/CAS-L (neural precursor cell expressed, developmentally down-regulated 9). Alternative splicing results in multiple transcript variants.

Molecular Mass

117.9 kDa

AA Sequence

MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGLPQYHKIKDQLN
 YWSAKSLWTKLDKRAGQPVYQQGRACSTKCLVVGAGPCGLRVAVELALLGARVV
 LVEKRTKFSRHNVLHLWPFTIHDLRALGAKKFYGRFCTGTLDHISIRQLQLLLKVAL
 LGVEIHWGVTFTGLQPPPRKGSWRAQLQPNPPAQLANYEFDVLISAAGGKFVPEG
 FKVREMRGKLAIGITANFVNGRTVEETQVPEISGVARIYNQSFQSLKATGIDLENIV
 YYKDDTHYFVMTAKKQCLLRGLVLRQDWPDTNRLLSANVPEALQRFTRAAADFA
 THGKLGKLEFAQDAHGQPDVSAFDFTSMMRAESSARVQEKHGARLLLGLVGDCLV
 EPFWPLGTGVARGFLAAFDAAWMVKRWAEGAESLEVLAERESLYQLLSQTSPENM

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HRNVAQYGLDPATRYPNLNLRAVTPNQVRDLYDVLAKEPVQRNNDKTDGMPATG
 SAGTQEELLRWQCQEQTAGYPGVHVSDDLSSSWADGLALCALVYRLQPGLLEPSELQ
 GLGALEATAWALKVAENELGITPVVSAQAVVAGSDPLGLIAYLSHFHSAFKSMAHSP
 GPVSQASPGTSSAVLFLSKLQRTLQRSRAKENAEDAGGKKLRLEMEAETPSTEVPP
 DPEPGVPLTPPSQHQEAGAGDLCALCGEHLVLERLCVNGHFFHRSCFRCHTCEA
 TLWPGGYEQHPGDGHFYCLQHLPQTDHKAEGSDRGPESPELPTPSENSMPPGLST
 PTASQEGAGVPDPSQPTRRQIRLSSPERQRLSSLNLTPPEMEPPPKPPRSCSAL
 ARHALESSFVGWGLPVQSPQALVAMEKEEKESPFSSSEEEEEEDVPLDSDVEQALQTF
 AKTSGTMNNYPTWRRTLLRRAKEEEMKRFCKAQTIQRRRLNEIEAALRELEAEGVKLE
 LALRRQSSSPEQQKLLWVGQLLQLVDKKNLSVAEEAELMITVQELNLEEKQWQLDQ
 ELRGYMNREENLKTAADRQAEDQVLRKLVLDLVNQRDALIRFQEERRLSELALGTGA
 QGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MICAL1 microtubule associated monooxygenase, calponin and LIM domain containing 1 [Homo sapiens (human)]

Official Symbol MICAL1

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Synonyms MICAL1; microtubule associated monooxygenase, calponin and LIM domain containing 1; NEDD9 interacting protein with calponin homology and LIM domains, NICAL; protein-methionine sulfoxide oxidase MICAL1; DKFZp434B1517; FLJ11937; FLJ21739; MICAL; CasL interacting molecule; molecule interacting with CasL protein 1; NEDD9 interacting protein with calponin homology and LIM domains; NEDD9-interacting protein with calponin homology and LIM domains; NICAL; MICAL-1;

Gene ID 64780

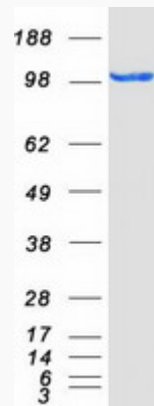
mRNA Refseq NM_022765

Protein Refseq NP_073602

MIM 607129

UniProt ID Q8TDZ2

SDS-PAGE



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