

Recombinant Full Length Human MICAL1 Protein, GST-tagged

Cat. No. MICAL1-6570HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MICAL1 full-length ORF (AAH09972.2, 1 a.a. - 981 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	981 amino acids
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. [provided by RefSeq, Aug 2015]
Molecular Mass	135 kDa
AA Sequence	MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGLPQYHKIKDQLN YWSAKSLWTKLDRKAGQPVYQQGRACSTKCLVVGAGPCGLRVAVELALLGARVV LVEKRTKFSRHNVHLWPFTHDLRALGAKKFYGRFCTGTLDHISIRQLQLLLKVAL LGVEIHWGVTFGLQPPPRKSGSWRAQLQPNPPAQLANYEFDVLISAAGGKFVPEG FKVREMRGKLAIGITANFVNGRTVEETQVPEISGVARIYNQSFFQSLLKATGIDLENIV YYKDDTHYFVMTAKKQCLRLGVLRQPFWPLGTGVARGFLAAFDAAWMVKRWAE GAESLEVLAERESLYQLLSQTSPENMHRNVAQYGLDPATRYPNLNLRAVTPNQVRD LYDVLAKEPVQRNNDKTDGTGMPATGSAGTQEELLRWCQEQTAGYPGVHVSDDLSS

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WADGLALCALVYRLQPGLLEPSELQGLGALEATAWALKVAENELGITPVVSAQAVVA
 GSDPLGLIAYLSHFHSAFKSMAHSPGPVSQTSPGTSSAVLFLSKLQRTLQRSRAKEN
 AEDAGGKKLRLEMEAETPSTEVPDPPEPGVPLTPPSQHQEAGAGDLCALCGEHLVY
 LERLCVNGHFFHRSCFRCHTCEATLWPGGYEQHPGDGHFYCLQHLPQTDHKKEGS
 DRGPESPELPTPSENSMPPGLSTPTASQEGAGVPDPSPQPTRRQIRLSSPERQRLS
 SLNLTPDPEMEPPPKPPRSCSALARHALESSFVGWGLPVQSPQALVAMEKEEKESP
 FSSEEEEEEDVPLDSDVEQALQTFAKTSGTMNNYPTWRRTLLRRAKEEEMKRFCCKA
 QTIQRRRLNEIEAALRELEAEGVKLELALRRQSSSPEQQKKLWVGQLQLVDKKNSLV
 AEEAELMITVQELNLEEKQWQLDQELRGYMNREENLKTAADRQAEDQVLRKLVDLV
 NQRDALIRFQEERRLSELALGTGAQG

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

MICAL1 microtubule associated monooxygenase, calponin and LIM domain containing
 1 [Homo sapiens]

Official Symbol

MICAL1

Synonyms

MICAL1; microtubule associated monooxygenase, calponin and LIM domain
 containing 1; NEDD9 interacting protein with calponin homology and LIM domains ,

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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_001159291
Protein Refseq	NP_001152763
MIM	607129
UniProt ID	Q8TDZ2

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