

Recombinant Human MICAL1 Protein, GST-tagged

Cat. No. MICAL1-5320H **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	Wheat Germ
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	MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGGLPQYHKIKDQLN YWSAKSLWTKLDKRAGQPVYQQGRACSTKCLVVGAGPCGLRVAVELALLGARVV LVEKRTKFSRHNVLHLWPFTIHDRLALGAKKFYGRFCTGTLDHISIRQLQLLLKVAL LGVEIHWGVTFGLQPPPRKSGSWRAQLQPNPPAQLANYEFDVLISAAGGKFVPEG FKVREMRGKLAIGITANFVNGRTVEETQVPEISGVARIYNQSFFQSLLKATGIDLENIV YYKDDTHYFVMTAKKQCLLRGLVLRQPFWPLGTGVARGFLAAFDAAWMVKRWAE GAESLEVLAERESLYQLLSQTSPENMHRNVAQYGLDPATRYPNLNLRAVTPNQVRD LYDVLAKEPVQRNNDKTDGTGMPATGSAGTQEELLRWCQEQTAGYPGVHVSDDLSS WADGLALCALVYRLQPGLLEPSELQGLGALEATAWALKVAENELGITPVVSAQAVVA

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GSDPLGLIAYLSHFHSAFKSMAHSPGPVSQTSPGTSSAVLFLSKLQRTLQRSRAKEN
 AEDAGGKKLRLEMEAETPSTEVPDPPEPGVPLTPPSQHQEAGAGDLCALCGEHLVY
 LERLCVNGHFFHRSCFRCHTCEATLWPGGYEQHPGDGHFYCLQHLPQTDHKKEGS
 DRGPESPELPTPSENSMPPGLSTPTASQEGAGVPDPSPQPTRRQIRLSSPERQRLS
 SLNLTPDPEMEPPPKPPRSCSALARHALESSFVGWGLPVQSPQALVAMEKEEEKESP
 FSSEEEEEEDVPLDSDVEQALQTFAKTSGTMNNYPTWRRTLLRRAKEEEMKRFCCKA
 QTIQRRRLNEIEAALRELEAEGVKLELALRRQSSSPEQKKLWVGQLLQLVDKKNLSLV
 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 , NICAL; protein-methionine sulfoxide oxidase MICAL1; DKFZp434B1517; FLJ11937;

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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

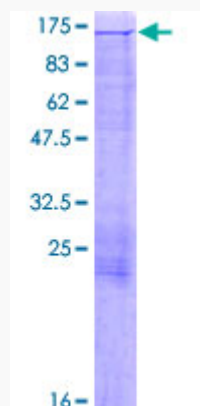
mRNA Refseq NM_001159291

Protein Refseq NP_001152763

MIM 607129

UniProt ID Q8TDZ2

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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