

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
Protein Length	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 YWSAKSLWTKLDRAGQPVYQQGRACSTKCLVVGAGPCGLRVAVELALLGARVV LVEKRTKFSRHNVLHLWPFTIHDLRALGAKKFYGRFCTGTLDHISIRQLQLLLLKVALL LGVEIHWGVTFGLQPPPRKSGWRAQLQNPQAQLANYEFDVLISAAGGKFVPEG FKVREMRGKLAIGITANFVNGRTVEETQVPEISGVARIYNQSFFQSLLKATGIDLENIV YYKDDTHYFVMTAKKQCLLRGVLRLQPFWPLGTGVARGFLAAFDAAWMVKRWAE GAESLEVLAERESLYQLLSQTSPENMHRNVAQYGLDPATRYPNLNLRAVTPNQVRD LYDVLAKEPVQRNNDKTDGTGMPATGSAGTQEELLRWCQEQTAGYPGVHVSDLSSS

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WADGLALCALVYRLQPGLLEPSELQGLGALEATAWALKVAENELGITPVVSAQAVVA
 GSDPLGLIAYLSHFHSAFKSMAHSPGPVVSQTSPGTSSAVLFLSKLQRTLQRSRAKEN
 AEDAGGKKLRLEMEAETPSTEVPDPEPGVPLTPPSQHQEAGAGDLCALCGEHLVY
 LERLCVNGHFFHRSCFRCHTCEATLWPGGYEQHPGDGHFYCLQHLPQTDHKKEGS
 DRGPESPELPTPSENSMPPGLSTPTASQEGAGVPDPSPQPTRRQIRLSSPERQRLS
 SLNLTPDPEMEPPPKPPRSCSALARHALESSFVGWGLPVQSPQALVAMEKEEKESP
 FSSEEEEEEDVPLDSDVEQALQTFAKTSGTMNNYPTWRRTLLRRAKEEEMKRFCKA
 QTIQRRRLNEIEAALRELEAEGVKLELALRRQSSSPEQQKLLWVGQLLQLVDKKNLSLV
 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 [<i>Homo sapiens</i>]
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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