

## Recombinant Human MICAL1 Protein, GST-tagged

**Cat. No.** MICAL1-5320H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human MICAL1 full-length ORF ( AAH09972.2, 1 a.a. - 981 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	135 kDa
<b>AA Sequence</b>	MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGGLPQYHKIKDQLN YWSAKSLWTKLDKRAQGPVYQQGRACSTKCLVVGAGPCGLRVAVELALLGARVV LVEKRTKFSRHNVLHLWPFTIHDLRALGAKKFYGRFCTGTLDHISIRQLQLLLKVALL LGVEIHWGVFTFTGLQPPPRKSGSWRAQLQPNPPAQLANYEFDVLISAAGGKFVPEG FKVREMRGKLAIGITANFVNGRTVEETQVPEISGVARIYNQSFFQSLLKATGIDLENIV YYKDDTHYFVMTAKKQCLLRGLVLRQPFWPLGTGVARGFLAAFDAAWMVKRWAE GAESLEVLAERESLYQLLSQTSPENMHRNVAQYGLDPATRYPNLNLRAVTPNQVRD LYDVLAKEPVQRNNDKTDTGMPATGSAGTQEELLRWCQEQTAGYPGVHVSDDLSS WADGLALCALVYRLQPGLLEPSELQGLGALEATAWALKVAENELGITPVVSAQAVVA

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GSDPLGLIAYLSHFHSAFKSMAHSPGPVVSQTSPGTSSAVLFLSKLQRTLQRSRAKEN  
 AEDAGGKKLRLEMEAETPSTEVPDPEPGVPLTPPSQHQEAGAGDLCALCGEHLVY  
 LERLCVNGHFFHRSCFRCHTCEATLWPGGYEQHPGDGHFYCLQHLPQTDHKKEGS  
 DRGPESPELPTSENSMPPGLSTPTASQEGAGVPDPSQPTRRQIRLSSPERQRLS  
 SLNLTPDPEMEPPPKPPRSCSALARHALESSFVGWGLPVQSPQALVAMEKEEKESP  
 FSSEEEEEEDVPLDSDVEQALQTFAKTSGTMNNYPTWRRTLLRRAKEEEMKRFCKA  
 QTIQRRRLNEIEAALRELEAEGVKLELALRRQSSSPEQQKLLWVGQLLQLVDKKNLSLV  
 AEEAELMITVQELNLEEKQWQLDQELRGYMREENLKTAADRQAEDQVLRKLVLDLV  
 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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

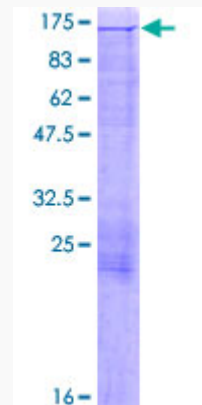
**mRNA Refseq** NM\_001159291

**Protein Refseq** NP\_001152763

**MIM** 607129

**UniProt ID** Q8TDZ2

**Quality Control  
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA