

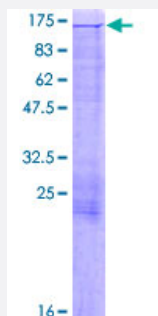
Full-Length

# MICAL1 (Human) Recombinant Protein (P01)

Catalog # H00064780-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human MICAL1 full-length ORF ( AAH09972.2, 1 a.a. - 981 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MASPTSTNPAHAHFESFLQAQLCQDVLSSFQELCGALGLEPGGGLPQYHKIKDQLNYWSAKSLW  
TKLDKRAGQPVYQQGRACSTKCLVVGAGPCGLRVAVELALLGARVVLVEKRTKFSRHNVHLHW  
PFTIHDLRALGAKKFYGRFCTGTLDHISIRQLQLLLKVALLLGVEIHWGVFTTGLQPPPRKSGSWR  
AQLQPNPPAQLANYEFDVLISAAGGKFVPEGFKVREMRGKLAIGITANFVNGRTVEETQVPEISGV  
ARIYNQSFFQSLLKATGIDLENIVYYKDDTHYFVMTAKKQCCLRGLVLRQPFWPLGTGVARGFLAAF  
DAAWMVKRWAEGAESLEVLAERESLYQLLSQTSPENMHRNVAQYGLDPATRYPNLNLRAVTPN  
QVRDLYDLAKEPVQRNNDKTDTGMPATGSAGTQEELLRWCQEQTAGYPGVHVSDLSSSWAD  
GLALCALVYRLQPGLLEPSELQGLGALEATAWALKVAENELGITPVVSAQAVVAGSDPLGLIAYLS  
HFHSAFKSMAHSPGPVSQTSPGTSSAVLFLSKLQRTLQRSRAKENAEDAGGKKLRLEMEAETP  
STEVPDPPEPGVPLTPPSQHQEAGAGDLCALCGEHLVLERLCVNGHFFHRSCFRCHTCEATL  
WPGGYEQHPGDGHFYCLQHLPQTDHKKEGSDRGPESELPTPSENSMPPGLSTPTASQEGAG  
PVPDPSQPTRRQIRLSSPERQRLSSLNLTPDPEMEPPPKPPRSCSALARHALESSFVGWGLPVQ  
SPQALVAMEKEEKESPFSEEEEEEDVPLDSDVEQALQTFAKTSGTMNNYPTWRRTLLRAKEE  
EMKRFCQAQTIQRRLEIAALRELEAEGVKLELALRRQSSSPEQQKLVWGQQLQLVDKKNLSLV  
AEEAELMITVQELNLEEKQWQLDQELRGYMNREENLKTAAADQAEDQVLRKLVLDLVNQRDALIR  
FQEERRLSELALGTGAQG

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

135

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (73); Rat (70)                                                     |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>                    |
| Purification                  | Glutathione Sepharose 4 Fast Flow                                        |
| Quality Control Testing       | 12.5% SDS-PAGE Stained with Coomassie Blue.                              |
| Storage Buffer                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                          | Best use within three months from the date of receipt of this protein.   |

## Applications

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

## Gene Info — MICAL1

|                     |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">64780</a>                                                      |
| GeneBank Accession# | <a href="#">BC009972.2</a>                                                 |
| Protein Accession#  | <a href="#">AAH09972.2</a>                                                 |
| Gene Name           | MICAL1                                                                     |
| Gene Alias          | DKFZp434B1517, FLJ11937, FLJ21739, MICAL, MICAL-1, NICAL                   |
| Gene Description    | microtubule associated monooxygenase, calponin and LIM domain containing 1 |
| Omim ID             | <a href="#">607129</a>                                                     |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                  |
| Gene Summary        | O                                                                          |

**Other Designations**

CasL interacting molecule|NEDD9 interacting protein with calponin homology and LIM domains

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)