

Recombinant Full Length Human MICAL3 Protein, GST-tagged

Cat. No. MICAL3-6576HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MICAL3 full-length ORF (CAK54648.1, 1 a.a. - 948 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	948 amino acids
Description	MICAL3 (Microtubule Associated Monooxygenase, Calponin And LIM Domain Containing 3) is a Protein Coding gene. GO annotations related to this gene include actin binding and Rab GTPase binding. An important paralog of this gene is MICAL2.
Molecular Mass	130.68 kDa
AA Sequence	MEERKHETMNPAAHVLFDRFVQATTCKGTLKAFQELCDHLELKP KDYRSFYHKLKSK LNYWKAKALWAKLDKRGSHKDYKKGKACTNTKCLIIAGPCGLRTAIDLSLLGAKVV VIEKRDAFSRNNVLHLWPFTIHDRGLGAKKFYKFCAGAI DHISIRQLQLILLKVALIL GIEIHVNVEFQGLIQPPEDQENERIGWRALVHPKTHPVSEYEF EVIIGGDGRRNTLEG FRRKEFRGKLAIAITANFINRNTTAEAKVEEISGVAFIFNQKFFQELREATGIDLENIVY YKDDTHYFVMTAKKQSLLDKGVILHDYADTELLSRENV DQEALLSYAREAADFSTQ QQLP SLDFAINHYGQPDVAMFDFTCMYASENAALVREQNGHQLLVALVGDSLLEPF WPMGTGIARGFLAAMDSAWMVRSWSLGTSPLEVLAE RESIYRLLPQTTPENVSKNF SQYSIDPVTRYPNINVNFLRPSQVRHLYDTGETKDIHLEMESLVNSRTTPKLTRNESV ARSSKLLGWCQRQTDGYAGVNVTDLTMSWKSGLALCAI IHRYPDLIDFDSLDEQN

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VEKNNQLAFDIAEKELGISPIMTGKEMASVGEPDKLSMVMYLTQFYEMFKDSLPSDD
 TLDLNAEEKAVLIASTRSPISFLSKLGQTISRKRSPKDKKEKDLDGAGKRRKTSQSEE
 EEAPRGHRGERPTLVSTLTDRRMDVAVGNQNKVKYMATQLLAKFEENAPAQSIGIR
 RQGSMKKEFPQNLGGSDDTCYFCQKRVIYMERLSAEGKFFHRSCFKCEYCATTLLR
 SAYAYDIEDGKFYCKPHYCYRLSGYAQRKRPVAVPLSGKEAKGPLQDGATTDANGR
 ANAVASSTERTPGSGVNGLEEPSIAKRLRGTPERIELENYRLSLRQAEALQEVPEET
 QAEHNLSSVLDTGAEEDVASRSARRAAGRPPATRP

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

MICAL3 microtubule associated monooxygenase, calponin and LIM domain
 containing 3 [Homo sapiens (human)]

Official Symbol

MICAL3

Synonyms

MICAL3; microtubule associated monooxygenase, calponin and LIM domain
 containing 3; MICAL-3; [F-actin]-monooxygenase MICAL3; protein-methionine
 sulfoxide oxidase MICAL3; [F-actin]-methionine sulfoxide oxidase MICAL3;
 flavoprotein oxidoreductase MICAL3; molecule interacting with CasL protein 3;
 protein MICAL-3; EC 1.14.13.225

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Gene ID	57553
mRNA Refseq	NM_001122731
Protein Refseq	NP_001116203
MIM	608882
UniProt ID	Q7RTP6

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