Recombinant Human MICAL3 Protein, GST-tagged

Cat. No. MICAL3-5323H **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	Wheat Germ
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	MEERKHETMNPAHVLFDRFVQATTCKGTLKAFQELCDHLELKPKDYRSFYHKLKSK LNYWKAKALWAKLDKRGSHKDYKKGKACTNTKCLIIGAGPCGLRTAIDLSLLGAKVV VIEKRDAFSRNNVLHLWPFTIHDLRGLGAKKFYGKFCAGAIDHISIRQLQLILLKVALIL GIEIHVNVEFQGLIQPPEDQENERIGWRALVHPKTHPVSEYEFEVIIGGDGRRNTLEG FRRKEFRGKLAIAITANFINRNTTAEAKVEEISGVAFIFNQKFFQELREATGIDLENIVY YKDDTHYFVMTAKKQSLLDKGVILHDYADTELLLSRENVDQEALLSYAREAADFSTQ QQLPSLDFAINHYGQPDVAMFDFTCMYASENAALVREQNGHQLLVALVGDSLLEPF WPMGTGIARGFLAAMDSAWMVRSWSLGTSPLEVLAERESIYRLLPQTTPENVSKNF SQYSIDPVTRYPNINVNFLRPSQVRHLYDTGETKDIHLEMESLVNSRTTPKLTRNESV ARSSKLLGWCQRQTDGYAGVNVTDLTMSWKSGLALCAIIHRYRPDLIDFDSLDEQN VEKNNQLAFDIAEKELGISPIMTGKEMASVGEPDKLSMVMYLTQFYEMFKDSLPSSD

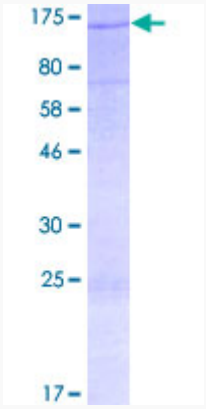
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	TLDLNAEEKAVLIASTRSPISFLSKLGQTISRKRSPKDKKEKDLDGAGKRRKTSQSEE EEAPRGHRGERPTLVSTLTDRRMDVAVGNQNKVKYMATQLLAKFEENAPAQSIGIR RQGSMKKEFPQNLGGSDTCYFCQKRVYVMERLSAEGKFFHRSCFKCEYCATTLRL SAYAYDIEDGKFYCKPHYCYRLSGYAQRKRPAVAPLSGKEAKGPLQDGATTDANGR 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-HCI, 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
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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