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Product datasheet for SC201058

MICAL3 (NM_001122731) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MICAL3 (NM_001122731) Human 3' UTR Clone
Symbol:	MICAL3
Synonyms:	MICAL-3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001122731
Insert Size:	160 bp
Insert Sequence:	>SC201058 3'UTR clone of NM_001122731 The sequence shown below is from the reference sequence of NM_001122731. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCTCCCACAGTGCTGGGATCACAGATGTGAGCTACTGGGCCCAGCTGAGCATAAGAGTCTTTTCTGTGT CACCTTTGTGTTCCCTACAGTGTCTAGCAAGTGCGTTGTGAGGGGAAGATAATTGAATAAATTTTATCC AGGTAAAAAAAAAAAAAAAAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001122731.2

View online »

Summary: Monooxygenase that promotes depolymerization of F-actin by mediating oxidation of specific methionine residues on actin to form methionine-sulfoxide, resulting in actin filament disassembly and preventing repolymerization. In the absence of actin, it also functions as a NADPH oxidase producing H(2)O(2). Seems to act as Rab effector protein and plays a role in vesicle trafficking. Involved in exocytic vesicles tethering and fusion: the monooxygenase activity is required for this process and implicates RAB8A associated with exocytotic vesicles. Required for cytokinesis. Contributes to stabilization and/or maturation of the intercellular bridge independently of its monooxygenase activity. Promotes recruitment of Rab8 and ERC1 to the intercellular bridge, and together these proteins are proposed to function in timely abscission.[UniProtKB/Swiss-Prot Function]

Locus ID: 57553

MW: 5.9