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Product datasheet for SC125850

MICAL1 (BC009972) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: MICAL1 (BC009972) Human Untagged Clone

Tag: Tag Free

Symbol: MICAL1

Synonyms: CasL interacting molecule; DKFZp434B1517; FLJ11937; FLJ21739; MICAL; MICAL-1; microtubule associated monoxygenase, calponin and LIM domain containing 1; NEDD9 interacting protein with calponin homology and LIM domains; NICAL

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Cell Selection: None

Fully Sequenced ORF:

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>OriGene sequence for BC009972 edited
CCCCTCCCGGCTTCGGAGCCGCCGCCACTCGTCTCTGCCCAGCTGCTGCCCTCCCCAGGA
GGCCTCCATGGCTTCACCTACCTCCACCAACCCAGCGCATGCCCACTTTGAGAGCTTCCT
GCAGGCCCAGCTGTGCCAGGACGTGCTGAGCAGCTTCCAGGAGCTGTGTGGGGCCCTGGG
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CAGCCACTTCCACAGTGCCTTCAAGAGCATGGCCCACAGCCCAGGCCCTGTCAGCCAGAC
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC009972 unedited
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TCGGAGCCGCCGCCACTCGTCTCTGCCCAGCTGCTGCCCTCCCCAGGAGGCCTCCATGGC
TTCACCTACCTCCACCAACCCAGCGCATGCCCACTTTGAGAGCTTCCTGCAGGCCCAGCT
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ACTGTGGACCAAGCTGGACAAGCGAGCAGGCCAGCCTGTCTACCAGCAGGGCCGGGCCTG
CACCAGCACCAAGTGCCTGGTGGTGGGTGCTGGACCTTGCGGGCTGCGGGTCGCTGTGGA
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CTTTGTGATGGACCCACCTGGAGGAGAACCAGTGCCCGAAATCATTGTTGTACCAGGATC
TCAACCAGAGCTTCTTCAAAGCCTCCTAAGCCCACGGCTT

Restriction Sites: Please inquire

ACCN: BC009972

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC009972.2, AAH09972.2
RefSeq Size:	3160 bp
Locus ID:	64780
Cytogenetics:	6q21
Gene Summary:	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]