

Product datasheet for **SC201369**

CCDC109B (MCUB) (NM_017918) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Symbol: CCDC109B

Synonyms: CCDC109B

Mammalian Cell Neomycin

Selection:

Vector: pMirTarget (PSI00062)

ACCN: NM_017918

Insert Size: 1157 bp

Insert Sequence: >SC201369 3'UTR clone of NM_017918
The sequence shown below is from the reference sequence of NM_017918. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CAAGTAGAAGAACTCAATGAAAAGAATTAATCTTACAGTTTTAAATGTCGTCAGATTTTCCATTATGTA
TTGATTTTGAACCTTAGGATGTTTTGAGTCCCATGGTTCATTTTGATTGTTAATCTTTGTTATTA
TTCTTGTAACAGAAAGTATTGTTGAAGTCTCAACTGAGATTTTACTTTTGGATTTTATGACTT
GCTAATGTTAGAAAGGGCTTGATGCGTCTATCAAAGCAACGGTGGCTGCTGTTAGCTAAAAATCCTTG
TCAGCTTGCCACGTTTATTCTCTATGTGGAGGTGAAAGGGTCTGTGCTTGGCATTCACTTCCATTCT
TAGACTTAATTTGGAATCATCCTTTTAAAAAATCAGAGACCAGGTCTTGCCAAATCAAACCTCTGGGC
TCAAGCAACCCTCTGCCTCAACCTCCACGGAATCGTCTTGTCATTAACTTCTTTTTTAATATGCAG
TAGTTGGGAGTAAGATCTTTTATCATTTATCAAAAAGGCATAAATGTTCCACCAACCATAAAGTATAG
TTGGTACTTTTTGAACTCAACTGAAACAGTGTATATAAACGATTGCTTTTGAACCTGCAAAATCACAAG
TTTCAGGTATCGAAGCCAAAACAGTTAACTTTCTTCAGCCTCTGGCAGATTATTAACAAAACAGTATTA
TTCAGATTCTATATCATATTAATAAGAATTGAACCTTGAAAGTAACATCTGTTATTCTATTAATGTGAT
TGTGTGTAATGGGTCTGATGACTGTTGGACTGTTTGTAGGAACCTTAACATGGAAGATGCTGACAGAAT
CAGATTTTGCAGGTGTTCAACCTATAGTGGCTAAGAATTATGTTTTCTATTTCCTCAGAATGCCAT
ACAACAATTCTGGAATGCTGATTTTTTTTTAAAGTAGGAATTAAGTCATACAAAAATGGGTAATTCA
TATGTAGATGAAATATTAACATTTAAATGACCGAGTAAAAACATCTATCAATTACACAAATGAACAA
GAATGTGAGTTAGAAAAATGAATAAAATATGAATTTGGAATTTTATTAAGGGATGATTTAATTCCT
GGATTTCAAAAACCTTTAAAAACATCAACAATAAACTTTTATAAAAAAGTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-Mlul
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_017918.5</u>
Summary:	Negatively regulates the activity of MCU, the mitochondrial inner membrane calcium uniporter, and thereby modulates calcium uptake into the mitochondrion. Does not form functional calcium channels by itself. Mitochondrial calcium homeostasis plays key roles in cellular physiology and regulates cell bioenergetics, cytoplasmic calcium signals and activation of cell death pathways.[UniProtKB/Swiss-Prot Function]
Locus ID:	55013
MW:	44.4