

Product datasheet for SC102570

MLC1 (NM_015166) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLC1 (NM_015166) Human Untagged Clone
Tag:	Tag Free
Symbol:	MLC1
Synonyms:	LVM; MLC; VL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC102570 sequence for NM_015166 edited (data generated by NextGen Sequencing)

```

ATGACCCAGGAGCCATTAGAGAGGAGCTGGCCTATGACCGGATGCCACGCTGGAGCGG
GGCCGGCAAGACCCCGCCAGCTATGCCAGACGCGAAGCCGAGCGACCTGCAGCTGTCC
AAGAGACTGCCCCCTGCTTCAGCCACAAGACGTGGGTCTTCTCTGTGCTGATGGGGAGC
TGCCTCTGGTGACCTCGGGGTTTTGCTGTACCTGGGGAACGTGTTCCCGGCTGAGATG
GATTACTTGCCTGTGCTGCAGGCTCTTGCATCCCCTCGCAATTGTGAGCTTACCCTGC
TCCAGGAGGAACGCAATGTGATTCCCAACTTTCAGATATTGTTTGTTCACGTTTGTCT
GTGACCACTACGTGTTAATTTGGTTTGGATGCAAACTAGTCCTGAACCCATCAGCAATA
AACATCAACTTCAACCTCATCTGCTGCTCCTGCTGGAGCTGCTCATGGCGGCCACGGTG
ATCATCGCTGCACGGTCCAGCGAGGAGGACTGCAAGAAAAGAAGGGCTCCATGTCTGAC
AGCGCCAACATTCTGGACGAAGTGCCATTTCTGCTCGGGTCTGAAATCTTACTCAGTC
GTCGAGGTAATCGCAGGCATCTCTGCCCTCCTCGGGGGATCATTGCCCTGAACGTGGAT
GACTCAGTTTTCAGGCCACACCTCTCAGTGACGTTCTTTTGGATCCTAGTGGCCTGCTTT
CCAAGTGCCATTGCCAGTCATGTGGCAGCAGAGTGTCCAGCAAGTGTCTGGTGGAGGTC
CTGATTGCCATAAGCAGCCTCACGTCTCCGCTGCTGTTTCCAGCCTCTGGATATCTGTCA
TTCAGCATCATGAGAATCGTGGAGATGTTAAGGATTACCCGCCAGCCATAAAACCATCC
TACGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
GGCACCCCATCCAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
GACACCCAGAACGCGCCCGCAGGAGCGCCTGGCTGGGGAGGTGGCCAGGAGCCCTTGAAG
GAGTTCGACAAGGAGAAAGCCTGGAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG

```

Clone variation with respect to NM_015166.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015166 unedited</p> <pre> ATTTTGTAAATACGACTTACTATAGGGCGGCCCGGATTCCGGCACGAGGCGTTGAGTAGAG GCATGTTTTGCAATCTCTCGTTTAGCTACCAATTGGAGCAGTTTAACTGCTTGAGTCCC CGGCGTGATGTGTTTCATGGACGAAGTTGCCGATGGATGTTGTGTCAGGTGTTGCACCTGGAG GGCCAGATGGATCAATGAGGCATTTAAAGTGTAGAATCTCACCTGAACCCAGACTATT CAGGTCGGTTTTTCTAGGAAAGTTATTTCTTTTTCACTTTTAGATTCAAGTGCTCATTTT CTTCTTCAAATTTAGAGCACTTCAGTATGAACAATATTTCTTTTTGTTAAAAAATATTCT TGGAAACAACCTTATTGAGGTTTCTCAGAGTGGCCAAAGCCGATGATAATTTTATTCCAG ATAAAGAAGTGGTGACACGTGGCTGTACATTACAGCACAGCTGTGGTGTCCCAAGTGCCA TGACCCAGGAGCCATTACAGAGAGGAGCTGGCCTATGACCGGATGCCACGCTGGAGCGGG GCCGGCAAGACCCCGCCAGCTATGCCCCAGACGCGAAGCCGAGCGACCTGCAGCTGTCGA AGAGACTGCCCCCTGCTTCAGCCACAAGACGTGGGTCTTCTCTGTGCTGATGGGGAGCT GCCTCTGGTGACCTCGGGTTTTCGCTGTACCTGCGGAACGTGTTCCCGGCTGAGATGG ATTACTTGGCTGTGCTGCAGGCTTTGCATCCCCTTCGCCATTGTGAGCTTCACCGTCT CCAGNAGGAACGCCAATGTGATTCCCACTTTCAGATATTGTTGTTTCCACGCTTGCTGT GACCACTACGTGTTAATTTGGGTTTGGATGCAACTAGTTCTGAACCCATTAGCATTAAAC CATTACTTCACCTCATCTGCTGCTCCTGCTGGAGCTGCTCATTGGGGCCAGTGATCAT TCGTGACGTTCCACGCAGAAGACTGCATA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015166 unedited</p> <pre> GGGTTTAGCTATGNANCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGC AGTCAGCGTTTATGCTCAGCGTTTAAACAAGTAGACTGAAAGAGAAGTTCTTTTAAA CCCCATTTTTTACGATTTTTTAAGCGCTCTAAAATAAGAAAATAAGAAAAGTGAAGCCAG CAAAAACGCTCCAAGTGCCTAATTCTGACTCTGAAACTTGAGCTCTCTGGTCTGCCCCCA AGAAGACATCAGCCCGCCCGGGTCTCCTGTGGCTCCACCCCAATCCAGGAGCAGA CCCCGCCAGCCTCAAAGCTGCAGGGAGGTGGGGTGGCCTGCAGACAGGGTGGGGTCTGC ATCCGGTACCAGTGACAGCAGCCTCTCCTCTCCCACGGTGGCGCTTGTGGGGTGTGG CCAAAGTGTGGCCCGCCCTGACTGTCTTCCGGAGCTGCCGAGGACTGAAGAGAG GGCCTGGCTGTCCCCTTAGGAGCAGCTGGGAAGGTGCTTGCCTGCATCCCCTTCAA TGGTTGAAAATAATGATCCACTTGTGATGAACACCATGAAGGTATCTTGGCAGCCAGAG TCACTCCTGTTCCGCGAGTGGGAAACCTGGGAGGGTCTCAAACCCCTGGCAGGGTCTGC AGGCCCGCCCATTCAGCTGCATCTCCAAGCCTCCTGGTTCTTTTGTCTTGTATGGCCC CAAGCCACAGATGCATCTTCGGGCTTTCCAGCAGCCATGGGGGACCAGCCAATACACC CCCACGGGGTGGAAAGAGAAAACGTTAATGTCTTCTCAGATCAGAAGGAAAGAACAAA CCCTTGCTGAAGAAAACACTGCTGGAAGTAATTATAAAGTAACAGCATTCCAGTTCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015166
Insert Size:	4230 bp
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: [NM_015166.2](#), [NP_055981.1](#)

RefSeq Size: 3516 bp

RefSeq ORF: 1134 bp

Locus ID: 23209

UniProt ID: [Q15049](#)

Cytogenetics: 22q13.33

Protein Families: Ion Channels: Other, Transmembrane

Gene Summary: The function of this gene product is unknown; however, homology to other proteins suggests that it may be an integral membrane transporter. Mutations in this gene have been associated with megalencephalic leukoencephalopathy with subcortical cysts, an autosomal recessive neurological disorder. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.