

Product datasheet for **SC120679**

MLC1 (NM_139202) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLC1 (NM_139202) 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:	>NCBI ORF sequence for NM_139202, the custom clone sequence may differ by one or more nucleotides

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ATGACCCAGGAGCCATTAGAGAGGAGCTGGCCTATGACCCGGATGCCACGCTGGAGCGGGCCGGCAAG
ACCCCGCCAGCTATGCCCCAGACGCGAAGCCGAGCGACCTGCAGCTGTCGAAGAGACTGCCCCCTGCTT
CAGCCACAAGACGTGGGTCTTCTCTGTGCTGATGGGGAGCTGCCTCCTGGTGACCTCGGGGTTTTGCTG
TACCTGGGGAACGTGTTCCCGGCTGAGATGGATTACTTGCCTGTGCTGCAGGCTCTGCATCCCCTCGG
CAATTGTGAGCTTACCCTCTCCAGGAGGAACCCAATGTGATCCCAACTTTGAGATATTGTTTGTTC
CACGTTTGTGTGACCACTACGTGTTAATTTGGTTTGGATGCAAAGTCTGCTGAAACCCATCAGCAATA
AACATCAACTTCAACCTCATCTGCTGCTCCTGCTGGAGCTGCTCATGGCGGCCACGGTGATCATCGCTG
CACGGTCCAGCGAGGAGGACTGCAAGAAAAAGAAGGGCTCCATGTCTGACAGCGCCAACATCTGGACGA
AGTGCCATTTCTGCTCGGGTCTGAAATCTTACTCAGTCGTCGAGGTAATCGCAGGCATCTCTGCCGTC
CTCGGGGGGATCATTGCCCTGAACGTGGATGACTCAGTTTCAGGCCACACCTCTCAGTGACGTTCTTTT
GGATCCTAGTGGCCTGCTTCCAAGTGCCATTGCCAGTCATGTGGCAGCAGAGTGTCCCAGCAAGTGCT
GGTGGAGTCTGATTGCCATAAGCAGCCTCACGTCTCCGCTGCTGTTCCAGCCTCTGGATATCTGTCA
TTCAGCATCATGAGAATCGTGGAGATGTTAAGGATTACCCGCCAGCCATAAAACCATCCTACGATGTGC
TGCTGCTGCTGCTGCTAGTGCTCCTGCTGCAGGCCGGCCTCAACACGGGCACCGCCATCCAGTGCCT
GCGCTTCAAGGTCAGTGCAAGGCTGCAGGGTGCATCCTGGACACCCAGAACGGCCCGCAGGAGCGCCTG
GCTGGGGAGGTGGCCAGGAGCCCCCTGAAGGAGTTCGACAAGGAGAAAGCCTGGAGAGCCGTCGTGGTGC
AAATGGCCCAAGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_139202 unedited</p> <p>TACGACTCACTATAGGGCGGCCGAATTCGCACGAGGACCAATTGGAGCAGTTAACGT GCTTGAGTCCCCGGCGTGATGTGTTTCATGGACGAAGTTGCCGATGGATGTTGTCAGGTGT TGCACCTGGAGGGCCAGATGGATCAATGAGGCATTTAAAGTGTAGAATCTCACCTGAA CCCAGACTATTCAGATAAAGAAGTGGTGACACGTGGCTGTACATTCAGCACAGCTGTGGT GTCCCCAAGTGCCATGACCCAGGAGCCATTGAGAGAGGAGCTGGCCTATGACCCGATGCC CACGCTGGAGCGGGCCGCAAGACCCCGCCAGCTATGCCCCAGACGCGAAGCCGAGCGA CCTGCAGCTGTCGAAGAGACTGCCCCCTGCTTCAGCCACAAGACGTGGGTCTTCTCTGT GCTGATGGGGAGCTGCCTCCTGGTGACCTCGGGTTTTTCGCTGTACCTGGGGAACGTGTT CCCGGCTGAGATGGATTACTTGCCTGTGCTGCAGGCTCTTGCATCCCCTCGGCAATTGT GAGCTTACCCTCTCCAGGAGGAACGCCAATGTGATTCCCACTTTTTCAGATATTGTTTGT TTCCACGTTTGTGTGACCACTACGTGTTAATTTGGTTTGGATGCAAAC TAGTCCTGAA CCCATCAGCATAAACATCAACTCAACCTCATNCTGCTGCTCCTGCTGGAGCTGCTCATG GCGGCCACGGTGATCATCGCTGCACGGTCCAGCGAGGGAGACTGCNAGANAAGAAGGGCT CCATGTCTGACAGCGCCACATTCTGNACGAGTGCCATTTCTGGCTCGGTCTGAATCTTA CTAGCCGCGAGTAATCGCAGCATTCTGCGTCTGGGGGGACATGCCTGACGTGATACTA GTTTAGCCCACTTCAAGGAGTTTTTTGATCTAGGGCTGCTCCAGGCATGCAGATGGGAAC AATGCCAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_139202 unedited</p> <p>AAATCTGNACCCGCGGCCGAATCTACNGATCGGTTTTTTTTTTTTTTTTTTTTCACGTCT GCAAGTCAGCGTTTATTGCTCAAGCGTATTAACAATAAATGTAGACTGAAAGAGACAGTT CTTTTAAACCCCATTTTTCCGGATTTTTAAGCGCTCTAAAATAAGAAAATAAGAAAGTG CAAGCCAGCAAAAACGCTCCAAGTGCCTAATTCTGACTCTGAAACTTGAGCTCTCTGGTC TGCCCCAAGAAGACATCAGCCCGCCCGGGTCTCCCTGTGGCTCCCACCCCATTTCCCA GGAGCAGACCCCGCCAGCCTCAAAGCTGCAGGGAGGTGGGGTGGCTGCAAACAGGGTG GGGTCTGCATCCGGTACCAGTGACAGCAGCCTCTCCTCTCCCACGGTGGCGCTTGTTTGG GGCTGTGGCCAAAGTGTTTGCCTGCTGACTGTGTCTTCCGGAGCTGCCGAGGACT GAAGAGAGGGCCTGGCTGTCCCCTCTAGGAGCAGCTGGGAAGGTGTCTTGCCTGCATC CCCCTTAAATGGTTGAAAATATTGATTTCACTTCCCATGAACACCATGAAGGTATCTTTG GCAGCCAGAGTCACTCCTGTTCCGCAAGTGGGAAACCTGGGAGGGTCTCAAACCCCTGAC AGGGTCTGAAGGCGCCCACTTCAACTGCATTTCCAGCCCTCCTGGTTTTTGATCTTGAT GGCCCCAGGCCCAAGAAGCATTTCGGGCCTTTCAGCAGCCAGGGGGACCAAGTAAATA CCCCCCCAGGGGGTGAACCAACGTTTCATGTTTTCCCGACCGAAGGCAAGAACCAAA CCTTTGGGAGGAAAACCTGCTGAAAGTAATAAGGCCACATTCCCGTTCACAGCGCC CCTCATGGGATTTACTGCTGTACTTGGCAGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_139202
Insert Size:	3780 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_139202.1](#), [NP_631941.1](#)

RefSeq Size: 3572 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 (2) contains a different 5' noncoding exon compared to transcript variant 1, thus has a distinct 5' UTR. Both variants encode the same protein.