

## Product datasheet for MR215419

### Lcmt1 (NM\_025304) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lcmt1 (NM_025304) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lcmt1
Synonyms:	AL033290; Lcmt; LCMT-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215419 representing NM_025304 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCCAGCTCGAGGGAGTCTCGTTCCTCTCTCTGCTCGTCGAGCTGTGACTTGGACGACGAGGGAG  
TGCGCGGCACCTGCGAAGATGCTTCTCTCTGCAAGAGGTTTGGCGTGAGCATTGGCTACTGGCATGATCC  
GTACATCGAGCATCTTGAAGGCAGTCTAAAGAGAGGAAGGCCCCCGAAATTAACAGAGGATATTTTGCC  
CGATTTCATGGTGTGAGTCACTTATTAAGCTTTTCTCCGAAAGACAGAATGCCATTGCCAAATTTCTCA  
ACCTTGGGGCTGGGATGGATACCACTTCTGAAATTAAGGATGAAGGCTTTCTCCAAATAAATATTT  
TGAAGTCGACTTTCCAATGATAGTCACAAGAAAGCTGCTCACCATCAAAAGCAAGCCGCTTTTATTCAGA  
CCCATCATGGAGTTACACCCAGAGGACACGCTTCAAATGGATAGTCACATGCTGGATTCAAAAAGATATG  
CCATCATTGGAGCAGATCTCCGAGACCTTTCTGAGCTGGAAGAGAACTAAAGAAATGTAACATGAATAC  
ACAATTGCCAACACTCCTGATAACTGAATGTGTGCTGGTTTACATGACTCCAGAGCAGTCAGCCAACCTC  
CTGAAATGGGCAGCCAGCAGTCTTGGAGACGCCATGTTTCAATAACTATGAGCAGGTCAACATGGACGACC  
GGTTTGGGCAGATCATGATTGAAAACCTCCGGAGGCGAAGTTGTGACCTGGCAGGAGTGGAAACCTGCAA  
ATCACTGGAGTCCAGAAGGAACGGCTGCTGTTGAATGGTGGGAGACAGCGTCTGCAGTGAACATGATG  
GAGCTGTACAGTGGGCTACCTCGGCAGAGGTAACAGAATAGAATCCCTCGAGTTCCTGGATGAGATGG  
AGCTCCTGGAGCAGTCACTGCGCCATTACTGCCTGTGCTGGGCCACCCGCGGCCAGGAGCTTGTTT  
GAAGGAGATAACCTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR215419 representing NM\_025304  
Red=Cloning site Green=Tags(s)

MASSSRESSFSSCSSCDLDDEGVRGTCEDASLCKRFVAVSIGYWHDPYIEHLVRQSKERKAPEINRGYFA  
 RVHGVSQLIKAF LRKTECHCQILNLGAGMDTTFWKLKDEGLLPNKYFEVDFPMIVTRKLLTIKSKPLLFR  
 PIMELHPEDTLQMDSHMLDSKRYAIIIGADLRDLSEEEKLKKCNMNTQLPTLLITECVLYMTPEQSANL  
 LKWAASSFETAMFINYEQVNMDDRFQIMIENLRRRSCDLAGVETCKSLESQKERLLNGWETASAVNMM  
 ELYSGLPRAEVNRIESLEFLDEMELEQLMRHYCLCWATRGGQELGLKEITY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9039\\_a03.zip](https://cdn.origene.com/chromatograms/mm9039_a03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_025304

**ORF Size:** 996 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_025304.3](#), [NP\\_079580.2](#)

**RefSeq Size:** 1369 bp

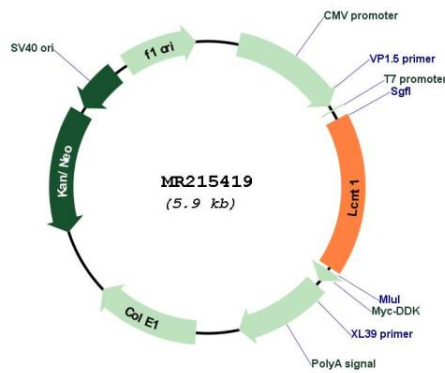
**RefSeq ORF:** 999 bp

**Locus ID:** 30949

**Cytogenetics:** 7 F3

**MW:** 38.6 kDa

**Product images:**



Circular map for MR215419