

Product datasheet for **MC217351**

Lcorl (NM_172153) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lcorl (NM_172153) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lcorl
Synonyms:	Mlr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217351 representing NM_172153
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGAAAAATGTTTCATTTTGTAACTACAGAGAGAAGCAGTCAGTGATTGTATACCATCTCTTGATT
CTTCACAGTCAACGCCAACAGAGGAGCTATCATCTCAGGGCCAGTCCACACTGATAAGATTGAATGCCA
AGCAGAAAAGTTACCTAAATGCACTCTTTTCGAAAGAAAGATCTTCCTCAGAACTGTGATCCTAACATTCCC
TTAGTTGCTCAGGAATTAATGAAAAAATGATACGTCAGTTTGCAATTGAGTACATCTCAAAAAGCGGTA
AAATTCAGAAAAATAGAAATGGTTCAATTGGAGCAAGTCTCGTGTGTAAGATCCAAATGAACCAAGC
AGACAACGCCTTCAGGATGAGCAAGAAGGCCCTTAGACCTCACTGTGACTCGAACGCAAGAGCAAAC
GCTCAGCAAGGGGATGGAGTGTTAGATCTCTACAAAGAAAACCAGCATAAAGTCTGAAGAGTCATCCA
TAAGTGATCCTTCTGAAAAATGCAGTGGCTGGGAGACTACACAGAAACAGAGAGGACTATGTGAAAG
AAGTGCTGAGTTGCAGATGGTTTGTCTCAAAAGCTTTGAAAGACATTCAGTCTGGAGCACTGGACATA
AATAAAGCAGGCATACTTATGGCATACTCAAAAACTTTACTTCTCCACTTAGAAGCCTTACCAGCAG
GGAAGCCTGCATCTTTAAAAACAAAACCGAGATTTCAATGATAGTTACTCATATAACGAAAGTAAAGA
AACTTGTGCTGTGCTGCAAAAAGTAGCCTTGTGGGCAAGAGCTCAAACAGAGCGCACAGAAAAAGTAA
CTCAACCTACTTGAAACCTCAGAATTCAAATCCCAACAGCTTCCAGTTACCTCCATCAGTTAACTCTAC
AGAAAAATGGTTACTCAGTTTAAAGAAAAAATGAAAGCCTTCAATATGAAACTTCAAATCCTCCTGTACA
GTTAAAAATCCTCAGCTACGAGTAAATTCGGTTTCAAATCACAAAGCTGATGGTTCTGGTCTGTGGAT
GTCATGTATCAAGTTTCCAAAACCTCTCAGTCTTGAAGGATCAGCTCCTCAAAAACTGAAAAATATAC
TCCCTAAACAGAACAACTAGACTGTTCTGGCCCTGTAACCTCAAGTGTGACTCTTACTTTTCTACA
TGGGGACCTCTCTCCTTTGTGTCTTAATTCTAAAAATGGAACAGTTGATGGAACCTCTGAGAACACTGAA
GATGGACTGGACCGGAAAGATAATAAGCAGCCAGGAAAAACGTGGCCGCTATCGACAGTATGATCATG
AAATAATGGAAGAGGCCATTGCAATGGTAATGAGTGGGAAAAATGAGTGTTCCAAAGCACAGGAATCTA
TGGGGTACCTCACAGCACTTTAGAATACAAGGTAAGGAAAGTCTGGAACACTGAAGACTCCTCCGAAG
AAGAACTACGATTACCAGACACTGGGTTATATGACAGATTCAGGGACTGGCAGCTGCAGAAACAGCA
GCAAGCCTGT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_172153

Insert Size: 1554 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_172153.3](#), [NP_742165.1](#)

RefSeq Size: 4983 bp

RefSeq ORF: 1554 bp

Locus ID: 209707

UniProt ID: [Q3U285](#)

Cytogenetics: 5 B3

Gene Summary: May act as transcription activator that binds DNA elements with the sequence 5'-CCCTATCGATCGATCTCTACCT-3'. May play a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.