

Product datasheet for **MC204043**

Lmcd1 (NM_144799) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lmcd1 (NM_144799) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lmcd1
Synonyms: AW455500; AW553074; dyxin
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC019124

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CCACGCGTCCGCGGCTGCACACAGGCAAGGAACCTGAACTTGGCCATTAGCAGCGCTGTCCAGGCTGC
GGCTCCCTCTGGCCCCGCCTGAGAAGCCAGGTGCTGTTTCTGCACCGCCAGGATGGCAAAGTGCTA
AGGACCTCAACCTGGAGTGCAAAGATGTCCTTGGGCCAGCAGCAGTCCGCAAGAGGAGTGCTTGTCT
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AGCCAGGAGGAGCACTGCCTAAGCTCTGACCTGGACGATGATCGGAAAATTGGGCGCTGCTGATGGACT
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GATCATGACCAACCCATCGCCACCGGCAAGACCCACCTTTGACACTATCACCTACGAGTGGGCTCCC
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GCACTGAGGGTGCCTCTACCGCCGACCCAGCTCATGCATCAGTCCCTATCTATGACCAGGACCCCTC
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TGGGATCTCTCCAGGGGGCAGGATGAGATTCTCAACTCCCATTGTTTGCCTCTTTCTCAAGTGGAAATCT
GAATCTTCAATAAAACAATGTTTTTGGCATGATAAACATATCAATAAAAGGTTTATGAATTCACACACAC
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Restriction Sites: RsrII-NotI



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ACCN:	NM_144799
Insert Size:	1098 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:	<ol style="list-style-type: none">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:	BC019124 , AAH19124
RefSeq Size:	1695 bp
RefSeq ORF:	1098 bp
Locus ID:	30937
UniProt ID:	Q8VEE1
Cytogenetics:	6 E3
Gene Summary:	Transcriptional cofactor that restricts GATA6 function by inhibiting DNA-binding, resulting in repression of GATA6 transcriptional activation of downstream target genes. Represses GATA6-mediated trans activation of lung- and cardiac tissue-specific promoters. Inhibits DNA-binding by GATA4 and GATA1 to the cTNC promoter. Plays a critical role in the development of cardiac hypertrophy via activation of calcineurin/nuclear factor of activated T-cells signaling pathway.[UniProtKB/Swiss-Prot Function]