

Product datasheet for **MC222616**

Lemd3 (NM_001081193) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lemd3 (NM_001081193) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lemd3
Synonyms:	AI316861; Man1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222616 representing NM_001081193
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGCGGACGGCGGGCGGGCCCTCAGCAGCTCTCGGATGAGGAGCTTTTCTCTCAGCTCCGCC
 GTTACGGCTTATCTCCGGTCCCCTGACGGAGAGCACCCGGCCCTACTCTCAAGAAGCTGAAGAAGCT
 TCGCGAGGAAGAGCAGCAGCAACAGCAGCAACAGCAGCAGCAGCAGCACCGGGCGGGGGCCCGGCAAC
 AAGACGCGGAACAGTAATAACAATAACACGGCGACGGCGATGGGGGGCCGGCCGGCTCCGGGGACCTCG
 CGTACTTACGGAGCCCCGGGCTCGGCCCTGTGGCCTCGGCTGCCGAGAGCCCCGTGGCAGGAGG
 CTCGGGGGGCGGGCGGCCCTCCCCGGCGGGCAGCAAAGTGTCTGGCTTCAGCTCGGACGAGTCCG
 GACGTGGAGGCCAGCCCGGGAGCAGGCGGGCGGGCGGGCGGGCGGAGGGACCGGGCTGCGCTCCAGT
 ACCGGGGCTCAGAGCCCACCGGCCCCCCGGCCGGGCGAGGTGACGGGCGGCCACCGGGCGAGCG
 GAGGAAGCCGCACTCGTGGTGGGGGGCGGGAGGCGGGCGGGCCCGAGCCGAGCCCCGGCGGGGGG
 AGCGACGGGGCCCGGAGGACCGGACGAGGAGCTGGCGGACGGTGAGGACCGCGACCCCGAGGCCGAGG
 AGCCGCTGTGGCCAGCCGAACGGTGAACGGCAGCCGGCTTCTCCCTACAGCAGCTGCCGGGAGCACTA
 CTCGACTCGGAGGAGGAGGAGGAGGGGAGGAGGACGGCGAGCTGGCCCGGCCAGACAGGTATTA
 AAGGACGACTCCCTCGCCGGCATCGACCCAGACGGAGCCATAGTAAGCCGTTCTCGGGCTGACTGCTA
 AATCTGGCGGCAGCCGGCAGGAGACTTCGGTTCAGGGAGGGGAGCACTCGCGATGAATGACAGGGCGGC
 GGCCCGGGGAGTCTAGACAGGAGCCGAAACCTCGAGGAGGCGGGCGGCGGAGCCGGGAGGAGGAGGA
 GGAGGGTGGGGTGGATCCAGTGGACTCCATTCCTCGATACCGTCCGGCGCGAAGAAGCTGGCCCCG
 TGCTGTGCTCCGAGTCCCGATGGGACTCCACCTTGGAGTCGCCACGGGGCCCTCTCAAAACCAA
 TAATCACATAGGCGGGCGGGCCCTTCGGCGTGGATTCCCCGGTCTGTATGCCAACAGCCTCCCTCCCGGG
 GCCACCGCGCGGCCGCCCTGGCACACTCAGGATCAACCACGCCAACCTACTGGCTCCATCACACT
 ACCTGAAAACCGCTACGGCAAGCCGAAGCTCTGCGAGCCGAAGAGGAATTCTCCAGCAGTTTAAACG
 GGAGGAGGTGCCCGACGGGGAGTTTACGCGCTCACTACTTGTGATGTTTCTCCTAACCGCTGCCTGC
 TTGTTTTTCTAATACTGGGACTGACTTACCTAGGAATGAGAGGGACGGGAGTACCCGAGGACGGAGGAC
 TCATAAAAAACCCCTTTGATGAAACATTTGAAAAATACAAGAAAGTAAAAAAATCTTTTATGAGCAC
 ATTTGTACAAACTTCATGATCGATTGGCCAGATTGCAGGAGACCATGAATGTGGCAGTTCTAGTCAAAGG
 ATGCTTTCTGTCCAAGAAGCAGTGCATATTTAAAAAATTTAGGTCTGAGTATGAAGATGATTTTAATA
 CTTCAATTGCTGTGATTTTTAAAAATGGGAAAGATGTTGGAATAAGGTGTGTTGTTACGGCCCTGAGGA
 AGACTTGACAAACATAACTGATGTGCAGTTTTTACAGTCCACCAGGCCCCAGATGCCCTTCTGGTGCCT
 TTCCGGCGTGCTTTCATTAAGTGTGACCCATAGGTTATTGTTGTTATGTTTAGGTGTAGTGTGTTGCG
 TTGCTCTCCGGTACATGAGATACCGCTGGACTAAGGAGGAGGAGGAGACGAGGCAGATGTATGACATGGT
 GGTAAAGATTATAGATGTTTTGCGAAGTCATAATGAAGCTTGCCAGGAGACTAAAGACTTACAGCCTTAC
 ATGCCTCTCCACATGTCCCGGATTCCCTAATACAGCCGAGGACAGGAAAAAGATGAAGAAAGTCTGGG
 ATAGAGCTGTTGACTTCCCTTGTGCTAACGAATCTAGAGTCCGTACGGAGACTCGAAGAGTAGGCCGTG
 AGACTTTCTAGTCTGGCGGTGGATCCAGCCCTCTGCGTCTGTGACAAGACATTAGTTATACCCCTAAA
 GTATGGCAAGGTCAAGCATTTCAATTTAGATAGAAGAAATTCACCACCAAATAGTTTGAAGTCCATGTTAA
 AGATTGAAATATGTTTGACCCGGTTATGGAATAGGAGATCACTGGCACCTGGCGATCCAAGAAGCGAT
 TTTAGAGAAGTGCAGTGACAATGACGGCATCGTTCATATTGCCGTAGACAGGAACTCGCGGGAGGGCTGT
 GTCTATGTTAAATGTTTGTCTCCGGAATATGCTGGGAAGGCTTTTAAAGCATTGCATGGCTCTTGGTTT
 ATGGAAAATTGGTTACAGTAAAATACTTACGACTAGATAGATACCACCATCGCTTTCCCAGGCCCTCAC
 TTGCAACACTCCCTTGAAGCCAGCAAATAAACATATGAAGTCTGTCTCACCTGCGCTGCGGACTGGC
 CTAGCTAATTCTCAAGGAAGTTCT**G**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001081193
Insert Size:	2757 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:	<u>NM_001081193.2</u> , <u>NP_001074662.2</u>
RefSeq Size:	4754 bp
RefSeq ORF:	2757 bp
Locus ID:	380664
UniProt ID:	<u>Q9WU40</u>
Cytogenetics:	10 D2
Gene Summary:	Can function as a specific repressor of TGF-beta, activin, and BMP signaling through its interaction with the R-SMAD proteins. Antagonizes TGF-beta-induced cell proliferation arrest (By similarity).[UniProtKB/Swiss-Prot Function]