

Product datasheet for **RR217315**

Lemd3 (NM_001191000) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lemd3 (NM_001191000) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lemd3
Synonyms:	RGD1561001
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR217315 representing NM_001191000
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGCGGGCGGCTACGGCGGCTTCGGCGCCTCAGCAGCTCTCAGATGAGGAGCTTTCTCTCAGC
 TCCGCCGTTACGGCTTGCTCCGGTCCCGTGACAGAGAGCACTCGGCCGGTCTACTCAAGAAGCTGAA
 GAAGCTTCGCGAGGAAGAGCAGCAGCAGCAGCAGCACCAGGGCGGGGGCCCGCGGCAACAAGACGCGGAAC
 AGTAATAACAATAACACGGCGGCCGCGGAGTGTAGCCGCGCACCGCGGGGATGGGGTCCGGCCGG
 GCTCGGGGACTTCGCGTACTTACGGACTCCCGCGGGCTCGGCCGCTGTGGCCTCCGCTCCGGAGAG
 CCCCAGGGAGGCTCCGGGTGCGCGCGCCGTCGCCGCGGGCAGCAAAGTGTCTGGGCTTTAGC
 TCCGACGAGTCGGACGTGGAGGCCAGTCCGCGGGAGCAGCGGGCGGGCGGAGCGGGAGGGACCGGG
 CTGCTCTCCAGTACCGCGGGCTCAAAGCGCCACCGCGCCCGGTCGCGGGTGGGCGACGAGCGGCAA
 CTCGGCCGAGCGAGGAAGCCCACTCGTGGTGGGGGCGCGGAGCCGGTGGGCCCGAGCCGAGCTC
 CCGTCGGGGAGCGACGGGCGCGGAGGACGTGGACGAGGAGGTAGCGGACGGTGGAGACAGGGACCCGG
 AGCGGAGGAGCCGCTGTGGGGCAGCCGAGCCGTGAACGGCAGCCGGCTTCTCCCTACAGCTGCCGGGA
 GCATTACTCGACTCGGAGGAGGAGGACGCGCGCGCAGTGGCCTCGGCTAGACAGGTATTAAGGAC
 GACTCCCTTCCCGGCATCGACCCAGACGGAGCCATAGTAAGCCGTTCTCCGCGTACTGCTAAATCTG
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 CGGCGGGGGCCCTTCGGCGTGGATTCCCCAGTCTGTATGCCAACAGCATCCCTCCCGGAGCGGCCGCG
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 CCTACAGCAAGCCAAAGCTCTGCGAGCCGAAGAGGAACTTCTCCAGCAGTTAAACGTGAGGAGGTGTC
 TCCGACGGGAGTTTCACTGCTCACTACCTGTCGATGTTCTCTAACTGCAGCCTGCTTATTTTCTTA
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 CCTTTGATGAAACATTTGAAAAATAACAAGCAAGTAAAAAATCTTATGATGAGCACATTATAAACT
 TCATGATCGATTGGCTCAGATTGCAGGAGATCATGAATGTGGCCGTTCCAGCCAAAGGATGCTTTCTGTC
 CAAGAAGCAGCTGCATATTTAAAGATTTAGGTCTGAGTATGAAGATGTATTTAACTTCACTGCTGT
 GGATTTTTAAAAATGGGAAAGATGTTGAATAAGGTGTGTTGGTTATGGACCTGAGGAAGACCTGACAAA
 CATAACCGATGTGCAGTTTTTACAGTCCACCAGACCACAGATGCCGTTCTGGTGGCCGTTCCGCCGTGCT
 TTCATTACCGTGACCCATAGGTTACTGCTGTTGTGCTTAGGTGTAGTCTGGTCTGTGCTCCTCCGTT
 ATATGAGATACCGCTGGACGAAGGAGGAAGAAGAGACAAGGCAGATGTATGACATGGTGGTGAAGATCAT
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 CATGTTGAGATTCCCTAATACAGCCCCAGGACAGGAAAAAGTGAAGAAAGTGGGAAAGAGCTGTTG
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 CAAGCATTTTATGATAGAAGAAATACCACCAAATAGTTTGACGCCATGTTTAAAGATTTCGGAATA
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 TAACAGTAAAATACTTACGACTAGATAGATACCACCACCGCTTCCCCAGGCTCTTACGTGCAGCACTCC
 CTTGAAGCCATCAGACAAACACATGAACTCCATGTCTCACCTGCGCTGCGAACTGGCCTAGCTAATTCT
 CAAGGAAGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217315 representing NM_001191000
 Red=Cloning site Green=Tags(s)

MAAAAATAASAPQQLSDEELFSQLRRYGLSPGPVTESTRPVYLKLLKLRREEEQQQQHRAGGRGNKTRN
 SNNNNNTAAAASVAAAPAGMGVVRPGSGDFAYL RTPAGLGRLLSASAPESPAGGSGVAAAVPAAGSKVLLGFS
 SDES DVEASPREQAGGGGARRDRAALQYRGLKAPPAPPVAGEATSGNSAERRKPHSWWGARRPVGPPEPQL
 PSGSDGAAEDVDEEVADGEDRDPEAEELWGSRAVNGSRLLPYS CREHYSDSEEDDGGDVASARQVLKD
 DSLSRHRPRRSHSKPFSALTAKSGGSRQETS VQGGGGLAMNDRAAAAGSLDRSRNLEAAAEPGGGGGG
 GCDQVDSIPRYRAGAKKLAPLLSPPSPVDSTLESPTGPLKTNHHI GGGGAFGVDSPLYANSIPPGAAA
 TAPGSLRINHANHTGSNHTYLKNAYS KPKLCEPEEELLQQFKREEV SPTGSFSAHYLSMFLLLTAACLFLL
 ILGLTYLGMRTGVPEDGRLLKNPFDETFGKIQA SEKNLMMSTLYKLHDRLAQIAGDHECGRSSQRMLSV
 QEAAA YLKD LGPEYEDVFN TSL LWFKNGKDVGIRCVGYGPEEDL TNITDVQFLQSTRPQMPFWCRFRRA
 FITVTHRLLLLCLGVVLVCAVLR YMR YRWTKEEETRQMYDMVVKIIDVLRSHNEACQETKDLQPYMPIP
 HVRDSL IQPQDRKKMKK VWERAVDFLAANESRVRTETRRVGGADFV VWRVQPSASCDKTSVIPSKVWQG
 QAFHLDRRNSPPNSLTPCLKIRNMFDPVMEIGDHWHLAIQEAI LEKCSNDNGIVHIAVDRNSREGCVYVK
 CLSPGHAGKAFKALHGSWFDGKLVTKYLRLDRYHHRFPQALTCSTPLKPSDKHMNSMSHLRLRTGLANS
 QGSS

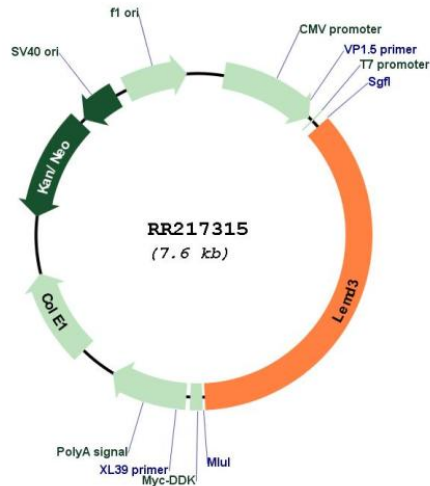
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001191000

ORF Size: 2742 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_001191000.1](#), [NP_001177929.1](#)

RefSeq Size: 3120 bp

RefSeq ORF: 2745 bp

Locus ID: 680066

Cytogenetics: 7q22

MW: 99.5 kDa