

Product datasheet for **RR201863**

Lemd2 (NM_001039032) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lemd2 (NM_001039032) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lemd2
Synonyms:	MGC112806
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201863 representing NM_001039032 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAGGAACCTTGGGTCTTGGAGCCTGCACTGTACTGGCCACTGACAGATGGATCTTCCGGTCTCTACC
 TTTGTGCCAGCCAAGTTTGTCTCCCTGGGTCTTGAGAGGTCTCTGTACCCAGTCCCACCTTTAAAC
 CTTTCTCTTTCTTTCTTGGTCTCAGTGAAATTGTTGCCGGTGGACTGTGAGAGAAAAACAGATGAGTTC
 TGCCAGGCCAGGCAGAAGGCGGCCCTGCTGGAGCTGTTGCATGAGCTGTACAATTCCTGGCCATCCAAG
 CAGGTAATTTTGTGTGGCAATCCGGAAGCTAAAGAGCAAAATGCATCCCTGTCTGGAGGCCAGGA
 GTACATAGCTAACGTGACCAGCAGTTCTCTTCGAGGTTTAAAGCTGCACTGACCTGGATACTGAGCAGC
 AACAAGGATGTGGGCATCTGGCTGAAAGGGGAAGACCCATCTGAGCTAGTGACCACCGTGGACAAAGTGG
 TCTGCCTGGAGTCCGCCCGGCCCGGATGGGCATGGGCTGCCGCTCAGCCGCGCCCTGCTACCGCGGT
 TACCCATGTGCTCATCTTTTCTGGTGCCTGGCCTTCTGTGGGGGTGCTGATCCTCCTGAAGTACCGA
 TGGCGGAAGCTTGAAGAGGAAGAGCAGGCCATGTATGAGATGGTGAAGAAGATCATAGATGTGGTTCAGG
 ACCACTATGTGGACTGGGAACAGGACATGGAGCGCTACCCCTACGTGGGCATCCTCACGTGCGCGACAG
 TCTAATCCCCCACAGAGCAGGCGGCGCATGAAGCGAGTATGGGACCGCGCCGTGGAATTCCTGGCTTCC
 AATGAATCTCGGATCCAGACCGAGTCCACCGAGTGGCCGGGAGGACATGCTGGTGTGGAGATGGACTA
 AGCCTTCCTCCTCTGACTCGGAGCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR201863 representing NM_001039032

Red=Cloning site Green=Tags(s)

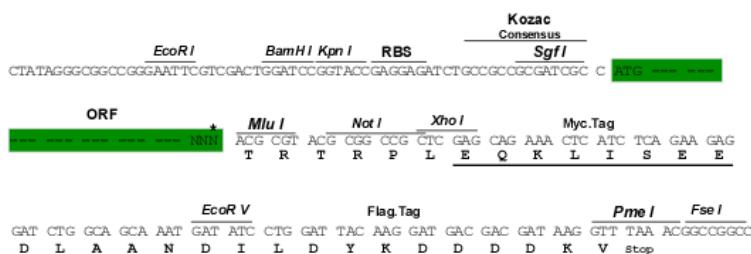
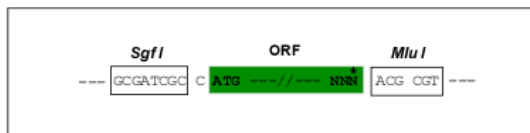
MRNPVWLEPALYWPFLTGDSSGLYL CASQVLLPLGLERSLCYPVPLL TFLFLFLVSVKLLPVD CERKTDEF
CQARQKAALLELLHEL YNFLAIQAGNFECGNPEKLKSKCIPVLEAQEYIANVTSSSSSRFKAALTWILSS
NKDVGIGWLKGEDPSEL VTTVDKVVCLESARPMGMGCRLSRALLTAVTHVLIFFWCLAFWLGLLILKYR
WRKLEEEEEQAMYEMVKKIIDVQDHYDWEQDMERYPYVGILHVRDSLIPPQSRMRKVRWDRAVEFLAS
NESRIOTEHRVAGEDMLVWRVTKPSSFSDSER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001039032

ORF Size: 939 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_001039032.1](#), [NP_001034121.1](#)

RefSeq Size: 1925 bp

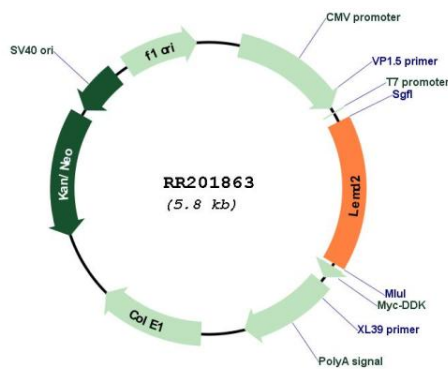
RefSeq ORF: 942 bp

Locus ID: 361807

Cytogenetics: 20p12

MW: 36.2 kDa

Product images:



Circular map for RR201863