

Product datasheet for **RR209662**

Letm2 (NM_001012158) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Letm2 (NM_001012158) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Letm2
Synonyms:	LETM2S
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209662 representing NM_001012158
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTTCTACAGTTATAATTCATTCTTAGCTATTTCTGGACAAGATTGCCTGGCCATTCCTGTGCACC
 CTCCTGCTCTCACTTCCCTCCACTTGCAATTTTCCACTTGCCAGATTCTCATTTGCGTACAGCCTATAT
 GAAAACTGTGGAAGCAGGAAGTACTCCTACCCTGGGCTCACAGGCAACAATAAAGTCCATCCCTTACGA
 ACCAGACTCCCCAAAACTGCACACGACTTGCTGGCTACAAAATCACCTGGTAAACCTCAGCCGGAGC
 AAATCCCGGAAGACCAAAGGCGACAGACCCTCAGCCTACCAAAGATGACCAGACCGAGGTTGCAGAAGG
 AAAGTGGTCTTGAGACAGAAAATCATAGATGAAGTAAATACTATTACAATGGATTGAGTTTACTTTGG
 ATTGACACCAAAGTCGCTGCCAGAATAGTTGGAGGCTGCTGCACGGACAGGTGTAACCAGACGAGAGA
 GGCGAAGGCTGTTGAGAACGTGCGCTGATGCTTCCGCTTGGTCCCATTGTTGGTGTTCATAATTGTACC
 TTTTATGGAATCTTGATACCAGTGTCTGAAGCTCTCCAGACATGTTGCCATCAACTTTTGAAGT
 GAATCCAAAAAGGAAGAAAAACAGAAAAAGATGATGGGTGCCAAATTGGAATAGCAAAATTCCTCAAG
 AGACGATGACAGAGATGGCGAAGAGGAACCGAGCCAAGTTGGACGACGACTCCTCCGATTCCTCACAGCT
 CTCCTCTTATGTAAAACAGGTCCAAACAGGTACAAGCCCTCCACTAAGGAGATAGTTCCGTTCTCCAAA
 CTCTTCGAGGATCAGTTAGCCCTGGAACACTTACGTCGACCCAGCTAGTCGCCCTGTGTAAGCTGCTGG
 AGTTGCAGGCCTTCGGCACAACAATTTGCTCCGCTTCCAGCTCCTGATGACCCTGAGGTCTATAAAGC
 AGATGATGAAGTCATTGCCAAGAAGGGGTGAAGGCTTAAAGTGTGTGAGAACTCAGGCTGCGTGTGCG
 GCCCGGGGATGAGGTGCTGGCCCTCACTGAAGAACAACCTGCCAGCAGCTCACAGAGTGGCTGGACC
 TCCACTGAAGGAGAACGTCCCCCTTCTCTTGTCTGCTCCGACCTTCTACCTGATAGACGTGAA
 GCCAAAGCCTATTGAACTCCACCCAGTATAGAGACTCCAAAGACAACCTTGGGATACCGTCATCTCCG
 CCCCCGAGTCAAAGGAGGACATTACGGACCCTGCACCTCAGCTAAATGGAACGAAGATCCTCCAGGCCA
 AGTCTCAGGAGACCTCACAGAACAGCAAGGCTAATTCAAAGGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209662 representing NM_001012158
 Red=Cloning site Green=Tags(s)

MAFYSSYNFLAIFWTRLPGHSVHPPCSHFPLAFFHLPDLSHLRTAYMKNCGSRKYSYPGLTGNNKVHPLR
 TRLPQKLHTTCWLQNHGPKPQPEQIPEEPKATDPQPTKDDQTEVAEGKWSLRQKIIDEVKYNYNGFSLW
 IDTKVAARIVWRLLHGQVLTRRERRRLLRRCADVFRLVPFVVFIIIVPFMEFLIPVFLKLPDMLPSTFES
 ESKKEEKQKMMGAKLEIAKFLQETMTEMAKRNRKLDSSSSSSQLSSYVKQVQTHGHPSTKEIVRFSK
 LFEDQLALEHLRRPQLVALCKLLELQAFGTNNLLRFQLMLRLSIKADDEVIAGEVKALSVSELQACR
 ARGMRSGLL TEEQLRQQLTEWLDLHLKENVPPSLLLLSRTFYLIDVKPKPIELPPSIETPKNLGIPSSP
 PPESKEDITDPAPQLNGTKILQAKSQETSQNSKANSKGA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

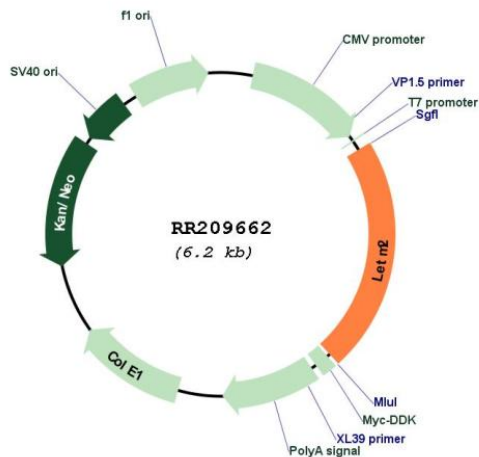
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012158

ORF Size: 1377 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_001012158.1](#), [NP_001012158.1](#)

RefSeq Size: 1787 bp

RefSeq ORF: 1380 bp

Locus ID: 361169

UniProt ID: [Q5PQQ5](#)

Cytogenetics: 16q12.4

MW: 52.5 kDa