

Product datasheet for **RR214539**

Lexm (NM_001109262) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lexm (NM_001109262) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lexm
Synonyms:	RGD1559493
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214539 representing NM_001109262 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTACCATCCGCAAGTGGTTCAAAGGGGCGCCCTTTGGGGTGCAGAGCCACAGGTTTGATGTCTCTG
 CTGTCCATCCCAACCAGAAGAAATTCAGCACCTTCACTGAGGCCCATCTCCAGGCATCATTCCGTGGA
 ACTGTCCACATAGGACCTGGAACCTATAACTCGAAGGAGACCTGCTTCAGCAAGAAGTTCCTGGAACAG
 AAGTTGGGCGCAGGATGGGCCGGGCCAAGAAGCCAGCCGGCTGACCAACTTCCCACTTCCATTTC
 AGGCCATCAAGAAGGAAAGAGAGCAGCAGGCGAACAACGGGGGCTGGCTCCTACAACATCAAAGACTT
 CTTGACTGAGCTGCAGAAAGAAACCACAGAGCAAACGGGGTCTGCTCAGCTCTGGGAGACTCGCTTCCGA
 GGACTCATCGGAATTATTATCCCGGCCCTGGAATTATGGGGAGAAGGGGAACCCCTACACACAGCTGG
 AGAAGAATTCTTGAACCGCTCACACTCCGACGGCCTTATGTGTAGATTGTCCAGCAAGCCACCACCTT
 GTCTCATCAGGGCAGTGGCCTGGGACCTGGAACCTATACCATCAAAGCGATATTGAGACCTTTGTGGAA
 AAGTCCACCGGTACTCGTGGCCCTACGACATTTCTCTGGCGAGAGGAGCAGTCCTGTGCCCTATGGGC
 ATTATTCAGTTCAGAAAAAGAGCCAGGGAATTGACGAGTTTCAAGAGCTTTGTGGATGAACCTGAACGC
 ACCACACAAGAAGAAACAAGGGGTTTCTCAAAATATCCCGGGATCCGAAACACCCTACAGAGAGAATT
 TACTGGACAACCTTAGTCAGTGCCCCAAAGATGTGAATGTAGCTGGCCCTGGTTCTTGGCTTCCATG
 AGACAGAACAGAAACATGTCAACCGGCCACCGTTCTCTGGCCCTCAAGCGGTCAAGCCCTAAAGGCCTG
 CCAGATGCTTTTGGGAACCTGGAACCCAGTCGGGGTAGGCCGCTATCTCAACACCACACTGATGGAGAAA
 ATAGACCGGAGGCAGAGATACCGCTCTCTGTTCTAGTGAACCAAGCGCTACCTGCACGACCTAAACC
 GAGACAACTCCTGCAGGAACGGATTACACCTTTACGAAGGGCAAGTCCCGTCCAACTGTGGACTACAA
 TTCAGATCCGACTCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR214539 representing NM_001109262

Red=Cloning site Green=Tags(s)

MSTIRKWFKGAPFGVQSHRFDVSAVHPNQKFKSTFTEAPYSRHHSVELSHIGPGTYNSKETCFSKKFLEQ
 KL GAGWARAQEASRL TQLPHFHFQAIKKEREQQANKRGPGSYNIKDFL TELQKPKQSKRGLLSSGETRFR
 GLIGNYYPGPGNYGEKNPYTQLEKNSWNRSHSDGLMCLRLSSKPPPLSHQSGSLGPGTYTJKSDIETFVE
 KSTGTGRGPYDIFSGERSSPVYPGHYSVQKKKPRELTSFKSFVDELNAPHKKKQGGFSKYPRDPKHPТЕРI
 YWTTLSQCPKDVNWAGPSGLPHETEQHVNRPFFLASKRSLGKACQMLLTWNVPVGVGRYLNNTLMKE
 IDRRORYSLFMSEPKRYLHDLNRDKLLOERITPTFKKCRPTVDYNSMDPTP

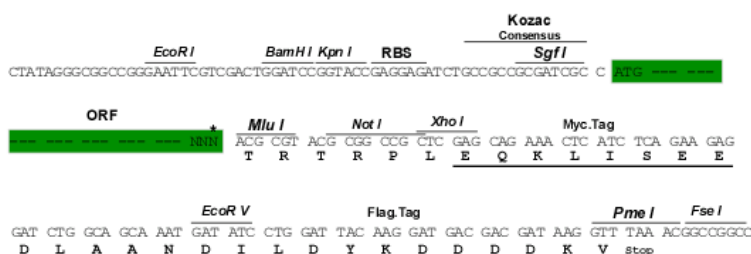
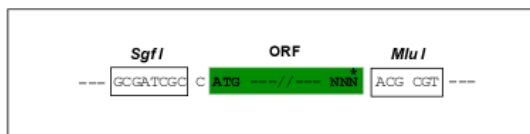
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001109262

ORF Size: 1206 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_001109262.2, NP_001102732.1

RefSeq Size: 1968 bp

RefSeq ORF: 1209 bp

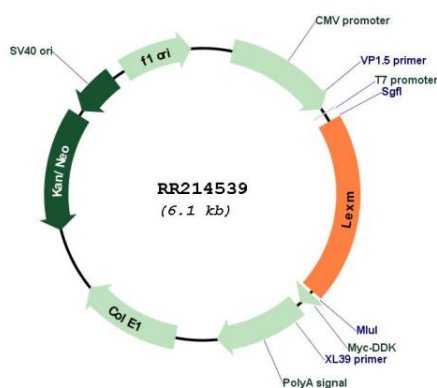
Locus ID: 500516

UniProt ID: B1H283

Cytogenetics: 5q34

MW: 45.8 kDa

Product images:



Circular map for RR214539