

Product datasheet for **RR212837**

Lars2 (NM_001108787) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lars2 (NM_001108787) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lars2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR212837 representing NM_001108787
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAAACAGCTGGACCGCTCGGCCTGTGCTTCAGCTGGACAGGAAATCACTACGTGTTGCCAG
ATTACTACAAATGGACTCAATACCTGTTTATCAAACCTCTACGAAGCTGGACTTGCCATCAAAGGAGGC
CTTGTTAACTGGGACCCAGTGGACCAAACAGTCTGGCTAATGAGCAGGTAAATGAATATGGCTGTTCA
TGGCGTCTGGAGCCAAGGTAGAGAAGAAATACCTCAGACAGTGGTTCATTAAGACAACGCATACGCAA
AGGCCATGCAGGATGCATTGGCAGACCTCCAGAGTGGTATGGAATAAAAGAAATGCAGGCCATTGGAT
TGGAGACTGCGTAGGCTGCCACCTGGACTTCACATTAAGGTTGATGGACAAGACACAGGAGAAAACTG
ACCGCATATACAGCCACACCTGAGGCCATCTATGGCATCTCCATGTGGCCATCTCTCTAGCCATGGGC
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ACCAGTGATGGCCGTGAACATGCTCACCTGCAGGAGTCCCGTCGTTATCATGGCTAAGCCTGACTTG
GAAGGCTCTCTAGATTCAAAAATAGGAATCCCCAGCACCAGCTCGGAGGACACCAGACTAGCCCAAGCTC
TGGGCCTACCCTACTCTGAGGTCATTGAAACTTCCCCAGATGGCACAGAGAGACTGAGTGGATCTGCTGA
GTTTACAGGTATGACCCGGCAGGATGCCTTTGTTGCCCTGACTCGGAAAGCCCGTGGGATGAGAGTGGGT
GGACACGTGACAAGTAACAAGCTGAAGGACTGGCTGGTCTCAAGGCAGCGCTACTGGGACACACCATCC
CCATTGTCCACTGCCAGCCTGTGGCCCTGTGCCTGTGCCACTGCAAGACTTGCCCTGTGACTTTGCCAG
CATCACATCTCTAACGGGCAGAGGGGCTCCCCGCTGGCTCGGCTTTGGAGTGGTAAACTGCTCCTGC
CCAAGTCTTTAGCTCGGCACTGGCAGACTTCTGGATGCCTGTGGATCTGTACATCGGAGGAAAGAGC
ATGCTGTACATGCCTTGTCTATGCACGATTTTATGTCATTTTGGCACCGTCAGAAGATGGTGAAGCA
CAGGGAGCCTTTCCATAAACTCCTGGCCCAAGGCCTCATTAAAGGACAGACATTTACCTTCTGTCTGGG
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GTATGGAATTGACACAATCCGGCTCTACATCCTCTTTGACGCCCTCCTGAGAAGGACATCTTGTGGGAT
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AAGCCTCTGGGAGTACAAAAACGAGTCATAAATCAGGTGACCACCCATTTACAGAGGACTTTGCCCTG
AATTCCGTAGTTTCTCAGCTGATGGGACTCAGCGGTGCCCTCTCGCAAGCCTCTCAGAGACTGGTTCTCC
ACAGCCCTGAGTTTGAAGATGCTCTGTGTGCTCTGCTGGTGTGCTGCCCCCTGGCCCCATATAAC
CTCAGAATCTGGGCAGGCTGGCGCTGGTACCAAGCAAGCTCTGTGACCGGTATGCCTGGGATGTGGT
GTGATGCTTACAGGCTGGCCACTGTGGACTCACAGTTTCTTCAAGGCCTGATATGTTTCAAGTGGCTG
TTCTGATCAACAACAAGCCTGTGGCAAGATCCCTGTGCCCCAGCATGTTGCCCAAGACCAGGACAAAGT
CCATGAATTTGTTCTCCAGAGTGAAGTGGCATCAAGCTGCTGCAGGGGAGAAGCATCAGGAAGGCCTTC
CTCTCCCCAGGACGGCCCTCATCAACTTCTTGGTGAAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212837 representing NM_001108787
 Red=Cloning site Green=Tags(s)

MRKQLDRLGLCFSWDREITTCLPDYKWTQYLFIKLYEAGLAYQKEALVNWDPVDQTVLANEQVNEYGCS
 WRSGAKVEKKYLRQWFIKTTAYAKAMQDALADLPEWYGIKEMQAHWIGDCVGCHELDFTLKVDGQDTGEKL
 TAYTATPEAIYGISHVAISPSHGLLHGCSLKTALQKALVPGRDCLTPVMAVNMLTLQEVVIMAKPDL
 EGSLSKIGIPSTSSEDTRLAQALGLPYSEVIETSPDGTERRLSGSAEFTGMTRQDAFVALTRKARGMRVG
 GHVTSNKLKDWLVSRQRYWGTPPIVHCPACGPVPLQDLVPTLPSITSLTGRGGSPLASALEWVNCSC
 PSPFSSALADFWMPVDLYIGGKEHAVMHLFYARFFSHFCHRQKMKVHREPFHKLLAQGLIKGQTFHLLSG
 QCLKREDIDFTGPTPVC AKTKERLEVTWEKMSKSKHNGVDPEEIVAQYGIDTIRLYILFAAPPEKDILWD
 VKTDALPGVLRWQRLWSL TTRFIEARTSGTAPQPQLLNKEKAKARSLWEYKNAVITQVTHFTEDFAL
 NSVVSQMLGSLGALSQASQRLVLHSPFEDALCALLVMAAPLAPHITSELWAGLALVPSKLCDRYAWDAG
 VMLQAWPTVDSQFLQKPDVMQAVLINNKACGKIPVPHVAQDQDKVHEFVLQSELGIKLLQGRSIRKAF
 LSPRTALINFLVKE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001108787

ORF Size: 2142 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_001108787.1](#), [NP_001102257.1](#)

RefSeq Size: 2867 bp

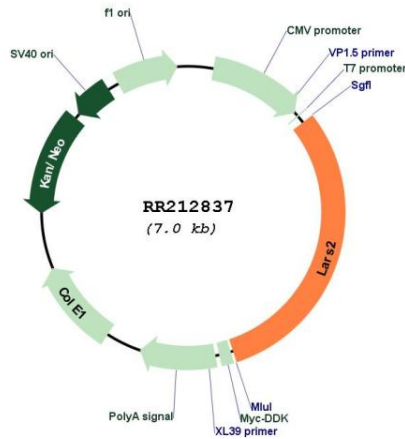
RefSeq ORF: 2145 bp

Locus ID: 363172

Cytogenetics: 8q32

MW: 79.7 kDa

Product images:



Circular map for RR212837