

Product datasheet for **MR211108**

Lars2 (NM_153168) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lars2 (NM_153168) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lars2
Synonyms:	AI035546; Kiaa0028; LEURS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211108 representing NM_153168
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCATCCACTTGTGTCAGAGGCTGAGTTTCTATGTCTCTCCTCTGAAAAGGCAGCTAGTTAGCAGGCCAC
 CTGTCATCCTGTGGGAAAGACTAATCCAGGGTGTCCAGAAGTATCTACAGTGCCACCGGGAAGTGGAC
 AAAGGAGTACACACTGCAGACAAGGAAGGATGTGGAGAAGTGGTGGCACCAACAGATAAAGGAGCAAGCG
 TCCAGAGTCTCAGAGGAAGATAAATTAAGCCAAATTCTACTTGCTCTCCATGTTCCCATACCTTCTG
 GCAAGCTGCACATGGGCCATGTCCTGTCTACACCCTCAGCGACACCATTGCACGGTTCAGAAAATGAG
 AGGCATGCAGGTTATCAACCCCATGGGGTGGGATGCATTTGGATTGCCTGCTGAAAATGCTGCCATAGAG
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 AAGTCCATGAACCTGTTCTCCAGAGCGAGCTAGGCATGAAGCTGCTGCAGGGGAGAAGCATCAAGAAGGC
 CTTCCTCTCCCCAGGACTGCCCTCATCAACTTCTTGGTGCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211108 representing NM_153168
 Red=Cloning site Green=Tags(s)

MASTCQRLSFYVSP LKRQLVSRPPVILWERLIPGCSRSIYSATGKWTKEYTLQTRKDVEKWWHQIQEQA
 SRVSEEDLKP KFYLLSMFPYPSGKLHMGHVRVYTLSDTIARFQKMRGMQVINPMGWDAFGLPAENAAIE
 RNLHPESWTSNIKHMRKQLDR LGLCFSWDREITTC LDPYYKWTQYLF IKLYEAGLAYQKEALVNWDPVD
 QTVLANEQVNEYGCSWRSGAKVEKYL RQWF IKTTAYAKAMQDALADLPEWYG IKGMAHWHIGDCVGCHL
 DFTLKV DGEDTGEKLTAYTATPEAIYGISHVAI SPSHGLLHGCS SVKKALQKALV PGRDCLTPVMAVSML
 TLQEVPIVIMANPDLEGLSDSKIGIPSTSS EDR LAQALGLPYSEVIEASPDGTERLSGSAEFTGMTRQD
 AFVALTRKARGMRVGGHVT SNLKDWLISRQRYWGTP IPIVHCPACGPVPVPLQDL PVILPSIASLTGRG
 GSPLATALEWVNCSPRCKGSAKRETDMDTFVDSAWYYFRYTDPHNTQSPFGSALADFWMPVDLYIGGK
 EHAVMHLFYARFLSHFCHDQK MVKHREPFHLLAQGLIKGQTFRLPSGQCLKKEDIDFTGPAPVCAKTK E
 KLEVTWEKMSKSKHNGVDPEEIVAQY GIDTIRLYILFAAPPEKDILWDVKTDALPGVLRWQQLWSLTTR
 FIEARTSGTVPPQQLNSKEKTKAQN LWEYKNAVIAQVT THFTEDFALNSVVSQ LMG LSSALSQASQRVV
 LHSPEFEDALCALLVMAAPLAPHVTSELWAGL TLVPSKLC DHYAWDSGVM LQAWPTVDSQFLQK PDMVQM
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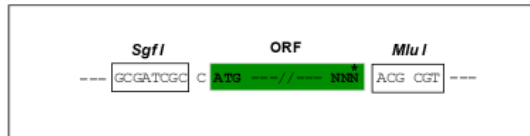
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

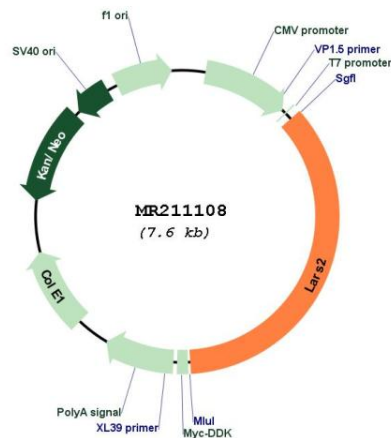
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_153168

ORF Size:	2706 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:	<ol style="list-style-type: none"> 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_153168.3
RefSeq Size:	3881 bp
RefSeq ORF:	2709 bp
Locus ID:	102436
UniProt ID:	Q8VDC0
Cytogenetics:	9 73.92 cM
MW:	101.5 kDa

Product images:


Circular map for MR211108