

Product datasheet for **MG211108**

Lars2 (NM_153168) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lars2 (NM_153168) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lars2
Synonyms:	AI035546; Kiaa0028; LEURS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG211108 representing NM_153168
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCCACTTGTGAGAGGCTGAGTTTCTATGTCTCTCCTCTGAAAAGGCAGCTAGTTAGCAGGCCAC
CTGTCATCCTGTGGGAAAGACTAATTCCAGGGTGTCCAGAAGTATCTACAGTGCCACCGGGAAGTGGAC
AAAGGAGTACACACTGCAGACAAGGAAGGATGTGGAGAAGTGGTGGCACCAACAGATAAAGGAGCAAGCG
TCCAGAGTCTCAGAGGAAGATAAATTAAGCCAAATTCTACTTGTCTCCATGTTCCCATACCTTCTG
GCAAGCTGCACATGGGCCATGTCGTGTCTACACCCTCAGCGACACCATTGCACGGTTCAGAAAATGAG
AGGCATGCAGGTTATCAACCCCATGGGGTGGGATGCATTTGGATTGCCTGCTGAAAATGCTGCCATAGAG
AGGAATTTGCACCCTGAAAGCTGGACCCAAAGCAATATTAACACATGAGGAAGCAGCTCGACCCCTCG
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GTTTATCAAACCTCTATGAAGCAGGACTGGCCTATCAAAGGAGGCCTTGTTAACTGGGATCCAGTGGAT
CAAACAGTGTAGCCAATGAGCAGGTGAATGAATATGGCTGTTTATGGCTTCTGGAGCCAAGGTAGAGA
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CCTCCCAGAGTGGTACGGAATCAAAGGCATGCAGGCCACTGGATTGGGGACTGTGTAGGCTGTACCTG
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CTTCTCTCCCCAGGACTGCCCTCATCAACTTCTTGGTGCAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211108 representing NM_153168
 Red=Cloning site Green=Tags(s)

MASTCQRLSFYVSPLKRQLVSRPPVILWERLIPGCSRSIYSATGKWTKEYTLQTRKDVEKWWHQIQEA
 SRVSEEDLKPKEYLLSMFPYPSGKLHMGHVRVYTLSDTIARFQKMRGMQVINPMGWDAFGLPAENAAIE
 RNLHPESWTQSNIKHMRQLDRGLCFSWDREITTCCLPDYYKWTQYLFIKLYEAGLAYQKEALVNWDPVD
 QTVLANEQVNEYGCSWRSGAKVEKKYLQWFIKTTAYAKAMDALADLPEWYGKGMQAHWIGDCVGCHL
 DFTLKVDGEDTGEKLTAYTATPEAIYGISHVAISPSHGLLHGCSVKKALQKALVPRDCLTPVMAVSM
 TLQEVPIVIMANPDLEGLDSKIGIPSTSSEDTRLAQALGLPYSEVIEASPDGTERLGSAEFTGMTRQD
 AFVALTRKARGMRVGGHVTSNLKDWLISRQRYWGTPPIVHCPACGPVPVPLQDLPVILPSIASLTGRG
 GSPLATALEWVNCSPRCKGSAKRETDMDTFVDSAWYYFRYTDPHNTQSPFGSALADFWMPVDLYIGGK
 EHAVMHLYARFLSHFCHDQKMKVHREPFHLLAQGLIKGQTFRLPSGQCLKKEDIDFTGPAPVCAKTE
 KLEVTWEKMSKSHNGVDPEEIVAQYIGDITIRLYILFAAPPEKDILWDVKTALPGVLRWQQLWSLTTR
 FIEARTSGTVPQPQLNSKEKTKAQNLEWYKNAVIAQVTTHFTEDFALNSVVSQMLGLSSALSQASQRVV
 LHSPEFEDALLVMAAPLAPHVTSELWAGLTLVPSKLDHYAWDSGVMQAWPTVDSQFLQKPDVMVQM
 AVLINNKACGKIPVPQHVADQDKVHELVLQSELGMKLLQGRSIIKKAFLSPRTALINFLVQE

TRTRPLE - GFP Tag - V

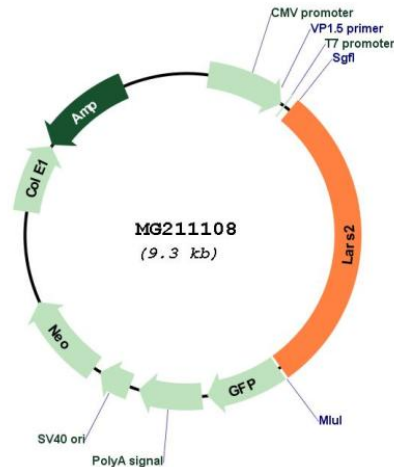
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:

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