

Product datasheet for MR211761

Lars (NM_134137) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lars (NM_134137) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lars
Synonyms:	2310045K21Rik; 3110009L02Rik; AW536573; mKIAA1352
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211761 representing NM_134137 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCCGGATCGCC

ATGGCGGGAAGAAAAGGAACTGCTAAAGTAGACTTCTTGAAGGAGATCGAGAAAGAGGCCAGCAGAAGT
GGGAAGCTGAGAAAGTGTGTTGAAGTCAGTGCCTCCCGCTGGAGAAGCAGAAGCAGAGCAGCAAGGGCAA
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CATGTAAGAAGACTATTCAGAAAAACATGATTGATGCTGGAGATGCGCTTATCTACATGGAGCCAGAAA
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 GGACATCGGCGACACCATGGTCTACCTGGTTTAC

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211761 representing NM_134137
 Red=Cloning site Green=Tags(s)

MAGRKGTAKVDFLKEIEKEAQQKWEAEKVFEVSASRLEKQKQSSKGKYFVTFPPYPMNGRLHLGHTFSLK
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 QMTKDVWDYVFFKDAPFPKTQIPKEKLDQLKQEFWFYVVDLRASGKDLIPNHLSEYIYNHVAMWPEQSD
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 LRLRLKNYMPAKGKKTQPAQRPSHCTIYVAKNYPVWQHITLTLRSHFEANNGKLPDNKVIASELGS
 LPELKKYMKVMPFVAMIKENMEKKGPRVLDLELEFDEQAVLMENIVYLTNSLELEHIEVKFASEAEDKV
 REECCPGKPLNVFRTEPGVPVSLVNPQPSSGHFSTKIDIRQGDSCESIIRRLMKTDRGIKDL SKVKLMRF
 DDPLLGP RRVPVLGREHSEKTLISENAVHVLDVSKKVHLTENGLRTDIGDMVYLVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9040_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

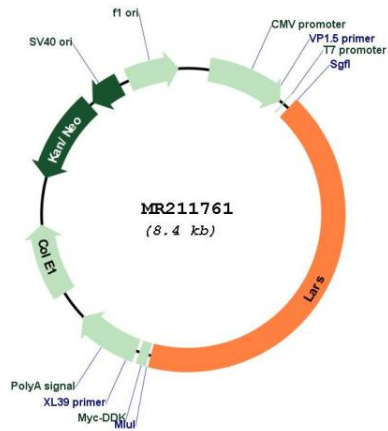


ACCN: NM_134137

ORF Size: 3534 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_134137.3
RefSeq Size:	3845 bp
RefSeq ORF:	3537 bp
Locus ID:	107045
UniProt ID:	Q8BMJ2
Cytogenetics:	18 B3
MW:	134.6 kDa
Gene Summary:	Catalyzes the specific attachment of an amino acid to its cognate tRNA in a two step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA. Exhibits a post-transfer editing activity to hydrolyze mischarged tRNAs.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211761