

Product datasheet for **MR230969**

Larp4 (NM_001284522) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Larp4 (NM_001284522) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Larp4
Synonyms:	DXErtd793; DXErtd793e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR230969 representing NM_001284522
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTTGGAGGTGACATCTAAAGGCACTGGTTAAATCCTAATGCCAAAGTATGGCAAGAAATTCCTT
CTGGAATCCGGATGGCACTCCTGTAACCTGAACCTCTTGGCATGAACTGCAGCCACATCTGGATCTCA
CCCTGAGGGCCATACAGAACTTTTCAAGATATGTGTAAGGAATATGAAGTAATGTATTCTCCATCTTGT
GAAACCACAAGGAATACTGCAGATGTTGAAGAGTCAGCTGATGGAATGATCTTAGGACCGGAAGACCTGA
GTTACCAACTCTATGATGTTTCTGGAGAAAGCAGTTTCAAGCAATTTCTACAGAAAGTTTAAAAAGATGCT
GAAAAACAATTTGAATTTCTGTTTCTCACGAGAAAATTTATCAAAGGACCTTTACTTGATATCTCAAATG
GATAGTGATCAGTTTCGTCCTCAATATGGACGGTTGCCAACATGGAAGAAATTAATAATTGACTACAATA
CAGATTTAATTTGAAGTATTGAGATCTTCCCCTATGGTACAAGTTGATGAGAAGGGAGAAAAGGTGAG
ACCAAGTCATAAGCGATGATTGTGATTCTCAGAGAGATTCTGAGACAACGCCTGTAGAGGAAGTGAAA
GCTTTGTTTAAAAATGAAAAGTCCCAAGTATAAGCTGTGAGTTTGGCACAACAGCAACTGGTACA
TCACTTTCCAGTCAGACACAGATGCACAGCAGGCTTTTAAATACTTAAGAGAAGAAGTTAAACATTTCA
GGCAAGCCAATCATGGCAAGGATAAAAGCCATCAATACATTTTTTGCTAAGAATGGTTATCGATTAATG
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TGATAATCCTCAGCAGTACTCAGTGTATAGTCTTGTGCCTCAGTCTTGGTCTCCAAGTCTGCACCTTA
CTTTGAAACACCACTGGCTCCCTTTCCCAATGGTAGTTTTGTGAATGGCTTTAGTTCACCAGGATCTTAC
AAAACAATGCTGCTGCTATGAATATGGCCGACCATTCCCAAAAAATCGTGTGAAGCCTCATTTTAGGT
CATCCAGTGGTTCAGAACACTCAACAGAGGGCTCCGTGTCAATTGGGGGATGGACCCTGAGCAGATCTAG
TTCAAGGATCTTTCTTTCTGAACGGCATAACCCAACAGTAACAGGGCAGCAGGAACAACTTATCTTCCA
AAGGAGGCTCCCATTTTACAGATGGAACAGAATGGGGACTTTGGAAGAGGCAGGGCAACTCTCTTACAG
GCCGAAGGCGAAGGGATGATGACAGGATCCCAAGACCCCAACCTGCAGCAACTGAAGCCAAGGCTCCAAC
TCCGAAGTTTGAATTTGCTGCTACAAATTTCCCTCCTTTACCTGGAAGCTCATCGAGAGTGCCAGATGAA
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GAGTTAGTTGCCAGTGCCTGCAGAGGACGGACAGACAGACTGCCTTCTGCGCCGCTCAGCATAAGTCC
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CCCCGGCAACACGGCTTCACTTGCAGTAAACATAAACCACCGAGAGCTGTGGCCCTGCAGGAACC
TCGAAAGTTAAGCTATGCTGAAGTGTGCCAGAAGCCTCCTAAAGAGCCATCTCCAGTTCTCGTACAGCCG
CTGCGGAACTCCGGTCTAATGCAGTATCCCCACCAGAAATGAAGAGAACGGAGCTCCCGAGAAGCCTG
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TCCCAGGGGAGCGGCTGGAAAAATCAGGGAACAGAGACGCCAGTTCAGCCATAGGGCTACACCTCAGGGA
GTGACTCGACGTAATGGGAAAGAGCAATACGTGCCACCCAGATCACCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230969 representing NM_001284522
 Red=Cloning site Green=Tags(s)

MALEVTSKGTGLNPNKAVWQEIIPSGNPDGTPVTEPSWHETAATSGSHPEGHTELSEDMCKEYEVMYSPSC
 ETTRNTADVEESADGMILGPEDLSYQLYDVSGESSAISTEDLKECLKKQLEFCFSRENLSKDLYLISQM
 DSDQFVPIWTVANMEEIKKLTNTDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETTPVEEVK
 ALFKNENCPKVISCEFAHNSNWIITFQSDTAQQAFKYLREEVKTFQGKPIMARIKAINTEFFAKNGYRLM
 DSSMYTQPIQTPTQYPSVFMQPVYNPQQYSVYSLVPQSWSPAPYFETPLAPFPNGSFVNGFSSPGSY
 KTNAAAAMNMRPFPKNRVKPHFRSSSGSEHSTEGSVSLGDGPLSRSSSRIFLSERHNPTVTGQQEQTYLP
 KEAPILQMEQNGDFGRGRRTLFRGRRRDRIPRQPAATEAKAPTPKFDLLATNFPPLPGSSSRVPDE
 LGLENRMSDVVKVCREKDSEDVRVSCPVAEDGQTDCTSAPLISPPCTAEPVLTSTTQQEQDQMED
 SAVPKDTLNPVAVPVSSPTATKPSANTASPCTSNINPPRAVALQEPKLSYAECVCKPPKEPSPVLVQP
 LRELRSNAVSPTRNEENGAPEKPVKPEKPEKTRASKDHSFGRTIPRGAAGKIREQRRQF SHRATPQG
 VTRRNGKEQYVPPRSPK

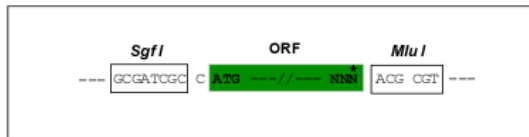
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

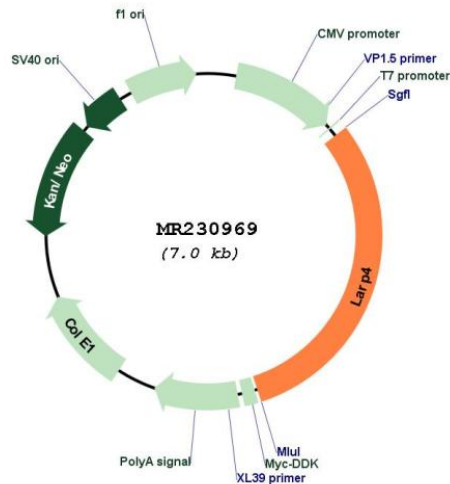
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001284522

ORF Size: 2151 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_001284522.1](#), [NP_001271451.1](#)

RefSeq Size: 6550 bp

RefSeq ORF: 2154 bp

Locus ID: 207214

UniProt ID: [Q8BWW4](#)

Cytogenetics: 15 F1

MW: 79.9 kDa

Gene Summary: RNA binding protein that binds to the poly-A tract of mRNA molecules. Associates with the 40S ribosomal subunit and with polysomes. Plays a role in the regulation of mRNA translation. Plays a role in the regulation of cell morphology and cytoskeletal organization. [UniProtKB/Swiss-Prot Function]