

Product datasheet for **MR230811**

Larp4 (NM_001284521) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Larp4 (NM_001284521) 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



[View online »](#)

ORF Nucleotide
Sequence:

>MR230811 representing NM_001284521
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTGTAAGGAATATGAAGTAATGTATTCTCCATCTTGTGAAACCACAAGGAATACTGCAGATGTTGAAG
AGTCAGCTGATGGAATGATCTTAGGACCGAAGACCTGAGTTACCAACTCTATGATGTTTCTGGAGAAAG
CAGTTCAGCAATTTCTACAGAAGATTTAAAAGAATGTCTGAAAAACAATTGGAATTTCTGTTTCTCACGA
GAAAATTTATCAAAGGACCTTTACTTGTATCTCAAATGGATAGTGATCAGTTCGTCCCAATATGGACGG
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CCCTATGGTACAAGTTGATGAGAAGGGAGAAAAGGTGAGACCAAGTCATAAGCGATGATTGTGATTCTC
AGAGAGATTCTGAGACAACGCCTGTAGAGGAAGTGAAGCTTTGTTTAAAAATGAAAATGCCCAAAG
TGATAAGCTGTGAGTTTGCACACAACAGCAACTGGTACATCACTTTCCAGTCAGACACAGATGCACAGCA
GGCTTTTTAAATACTTAAGAGAAGAAGTTAAAACATTTTCAGGGCAAGCCAATCATGGCAAGGATAAAAAGCC
ATCAATACATTTTTGCTAAGAAATGGTTATCGATTAATGGATTCTAGTATGTATACTCAACCTATTGAGA
CTCCTACCCAATATCCCTCACCAGTCTTCATGCAACCAGTGTATAATCCTCAGCAGTACTCAGTGTATAG
TCTTGTGCCTCAGTCTTGGTCTCCAAGTCTGCACCTTACTTTGAAAACCACTGGCTCCCTTTCCCAAT
GGTAGTTTTGTAATGGCTTTAGTTCCACAGGATCTTACAAAACAATGCTGCTGCTATGAATATGGGCC
GACCATCCCAAAAAATCGTGTGAAGCCTCATTTTAGGTCATCCAGTGGTTCAGAACACTCAACAGAGGG
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CCAACAGTAACAGGGCAGCAGGAACAACTTATCTTCAAAGGAGGCTCCCATTTTACAGATGGAACAGA
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CCTCCTTTACCTGGAAGCTCATCGAGAGTGCCAGATGAACTTGGTTTGGAGAACAGAATGTCTGATGTCG
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TAACATAAACCCACCGAGAGCTGTGGCCCTGCAGGAACCTCGAAAGTTAAGCTATGCTGAAGTGTGCCAG
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CCACCAGAAATGAAGAGAACGGAGCTCCCGAGAAGCCTGTTGAGAAGCCGCATGAGAAACCAGAAACAAG
GGCTAGTAAGGATCATTCTGGCTTCCGAGGCAACACTATTTCCAGGGGAGCGGCTGGAAAAATCAGGGAA
CAGAGACGCCAGTTCAGCCATAGGGCTACACCTCAGGGAGTGACTCGACGTAATGGGAAAGGCAATACG
TGCCACCCAGATCACAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230811 representing NM_001284521
 Red=Cloning site Green=Tags(s)

MCKEYEVMYSPSCETTRNTADVEESADGMILGPEDLSYQLYDVSGESSAISTEDLKECLKKQLEFCFSR
 ENLSKDLYLISQMDSDFVPIWTVANMEEIKKLTNTDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVIL
 REIPETTPVEEVKALFKNENCPKVISCEFAHNSNWIITFQSDTDAQAFKYLREEVKTFQGKPIMARIKA
 INTFFAKNGYRLMDSMYTQPIQTPTQYSPVFMQPVYNPQQYSVYSLVPQSWSPSPAPYFETPLAPFPN
 GSFVNGFSSPGSYKTNAAMNMGRRPFKPNRVKPHFRSSSGSEHSTEGSVSLGDGPLSRSSSRIFLSERHN
 PTVTGQQEQTYLPKEAPILQMEQNGDFGRGRRTLFRGRRRRDDDDRIPRQPAAATEAKAPTPKFDLLATNF
 PPLPGSSSRVPDELGLENRMSDVVKGVCREKDSQEDVRSVCPVAEDGQTDCTSAPLSISPPCTAEPV
 LSTTQQEQDMEDSAVPKDTLNPVAVPVSSPTATKPSANTASPCTSNINPPRAVALQEPRKLSYAEVCQ
 KPPKEPSPVLVQPLRELRNAVSPTRNEENGAPEKPVKEPHEKPETRASKDHSFGRGNTIPRGAAGKIRE
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

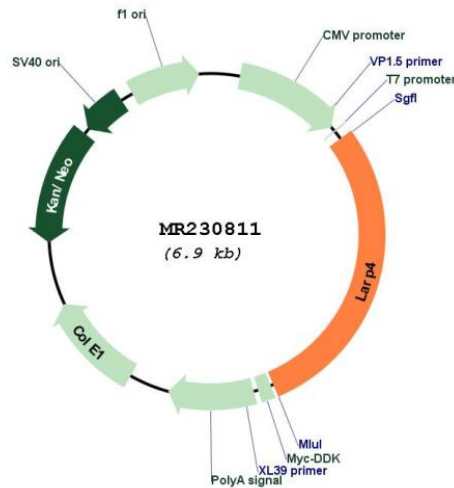
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284521

ORF Size: 1980 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_001284521.1](#), [NP_001271450.1](#)

RefSeq Size: 6527 bp

RefSeq ORF: 1983 bp

Locus ID: 207214

UniProt ID: [Q8BWW4](#)

Cytogenetics: 15 F1

MW: 74 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]