

## Product datasheet for **MR224905**

### Larp4 (NM\_001024526) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Larp4 (NM_001024526) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Larp4
Synonyms:	DXErtd793; DXErtd793e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR224905 representing NM\_001024526  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTTGCTCTTCGTTGAGGTGACATCTAAAGGCCTGGTTTAAATCCTAATGCCAAAGTATGGCAAGAAA  
 TTCCTTCTGGAAATCCGGATGGCACTCCTGTAACCTGAACCTCTTGGCATGAAACTGCAGCCACATCTGG  
 ATCTCACCTGAGGGCCATACAGAACTTTCAGAAGATATGTGTAAGGAATATGAAGTAATGTATTCTCCA  
 TCTTGTGAAACCAAGGAATACTGCAGATGTTGAAGAGTCAGCTGATGGAATGATCTTAGGACCGGAAG  
 ACCTGAGTTACCAACTCTATGATGTTTCTGGAGAAAGCAGTTCAGCAATTTCTACAGAAGATTTAAAGA  
 ATGTCTGAAAAACAATTGGAATCTGTTTCTCACGAGAAAATTTATCAAAGGACCTTTACTTGATATCT  
 CAAATGGATAGTGATCAGTTCGTCCTCAATATGGACGGTTGCCAACATGGAAGAAATTAATAAATTGACTA  
 CAAATACAGATTTAATCTTGAAGTATTGAGATCTTCCCTATGGTACAAGTTGATGAGAAGGGAGAAAA  
 GGTGAGACCAAGTCATAAGCGATGTATTGTGATTCTCAGAGAGATTCTGAGACAACGCCTGTAGAGGAA  
 GTGAAAGCTTTGTTTAAAAATGAAAAGTCCCAAAAGTGATAAGCTGTGAGTTTGCACACAACAGCAACT  
 GGTACATCACTTTCCAGTCAGACACAGATGCACAGCAGGCTTTTAAATACTTAAGAGAAGAGTTAAAC  
 ATTTACAGGCAAGCCAATCATGGCAAGGATAAAAGCCATCAATACATTTTTTGTAAAGATGGTTATCGA  
 TTAATGGATTCTAGTATGTATACTCAACCTATTCAGACTCCTACCAATATCCCTCACCAGTCTTCATGC  
 AACCAGTGATAATCCTCAGCAGTACTCAGTGTATAGTCTTGTGCCTCAGTCTTGGTCTCCAAGTCTGC  
 ACCTTACTTTGAAACACCACTGGCTCCCTTTCCAATGGTAGTTTTGTGAATGGCTTTAGTTCACCAGGA  
 TCTTACAAAACAATGCTGCTGTATGAATATGGGCCGACCATTCCAAAAAATCGTGTGAAGCCTCATT  
 TTAGGTCATCCAGTGGTTCAGAACACTCAACAGAGGGCTCCGTGTCATTGGGGGATGGACCACTGAGCAG  
 ATCTAGTTCAAGGATCTTCTTTCTGAACGGCATAACCCAACAGTAACAGGGCAGCAGGAACAACTTAT  
 CTTCAAAAGGAGGCTCCCATTTTACAGATGGAACAGAATGGGGACTTTGGAAGAGGCAGGCGAACTCTCT  
 TCAGAGGCCGAAGGCGAAGGGATGATGACAGGATCCCAAGACCCCACTGCAGCAACTGAAGCCAAGGC  
 TCCAACCTCGAAGTTTGATTTGCTTGTACAAAATTTCCCTCCTTACCTGGAAGCTCATCGAGAGTGCCA  
 GATGAACTTGGTTTGGAGAACAGAATGTCTGATGTCGTTAAAGGTGTCTGCAGAGAAAAGGACAGCGAGG  
 ACGTGCAGTTAGTTGCCAGTGCCTGCAGAGGACGGACAGACTGCACTTCTGCGCCGCTCAGCAT  
 AAGTCCTAGTCTCCGTGTACAGCTGAGCCTCCTGTGTTAAGCACGACTCAGCAAGAGCAGGATCAGATG  
 GAGGACTCTGCTGTTCCAAAGGACTCTCAACCCAGTAGCTGTGCCAGTGTCTTCTCCAACCTGCCACAA  
 AGCCATCCCCGGCAAACACGGCTTACCTTGCCTAGTAAACATAAACCCACCGAGAGCTGTGGCCCTGCA  
 GGAACCTCGAAAGTTAAGCTATGCTGAAGTGTGCCAGAAGCCTCTAAAGAGCCATCTCCAGTTCTCGTA  
 CAGCCGCTGCGGGAACCTCCGGTCTAATGCAGTATCCCCACCAGAAATGAAGAGAACGGAGCTCCCGAGA  
 AGCCTGTTGAGAAGCCGATGAGAAACCAGAAACAAGGGCTAGTAAGGATCATTCTGGCTCCGAGGCAA  
 CACTATCCCAGGGGAGCGGCTGGAAAAATCAGGGAACAGAGACGCCAGTTCCAGCCATAGGGCTACACCT  
 CAGGGAGTGACTCGACGTAATGGGAAAGAGCAATACGTGCCACCCAGATCACCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224905 representing NM\_001024526  
 Red=Cloning site Green=Tags(s)

MLLFVEVTSKGTGLNPNKAVWQEIPSGNPDGTPVTEPSWHETAATSGSHPEGHTELSEDMCKEYEVMYSP  
 SCETTRNTADVEESADGMILGPEDLSYQLYDVS GESSAISTEDLKECLKKQLEFCFSRENLSKDLYLIS  
 QMDSDFVPIWTVANMEEIKKLTNTDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETTPVEE  
 VKALFKNENCPKVISCEFAHNSNWIITFQSDTDAQAFKYLREEVKTFGKPIMARIKAINTEFFAKNGYR  
 LMDSSMYTQPIQTPTQYPSVFMQPVYNPQQYSVYSLVPQSWSPSPAPYFETPLAPFPNGSFVNGFSSPG  
 SYKTNAAMNMG RFPKNRVKPHFRSSSGSEHSTEGSVSLGDGPLSRSSSRIFLSERHNPTVTGQQEQTY  
 LPKEAPILQMEQNGDFGRGRRTLFRGRRRRDDRIIPRPQPAATEAKAPTPKFDLLATNFPLPGSSSRVP  
 DELGLENRMSDVVKGVCREKDESDVRVSCPVAEDGQTDCTSAPLSISPSPPCTAEPVLTSTTQQEQDQM  
 EDSAVPKDNLNPVAVPVSSPTATKPSANTASPCTSNINPPRAVALQEPRKLSYAEVCQKPPKPSVPLV  
 QPLRELRSNAVSPTRNEENGAPEKPVKEPKPETRASKDHS GFRGNTIPRGAAGKIREQRRQF SHRATP  
 QGVTRRNGKEQYVPPRSPK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9091\\_g05.zip](https://cdn.origene.com/chromatograms/mm9091_g05.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\_001024526

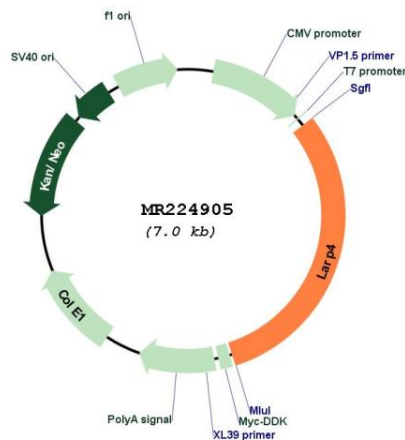
ORF Size: 2157 bp

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001024526.2</a> , <a href="#">NP_001019697.2</a>
<b>RefSeq Size:</b>	6548 bp
<b>RefSeq ORF:</b>	2160 bp
<b>Locus ID:</b>	207214
<b>UniProt ID:</b>	<a href="#">Q8BWW4</a>
<b>Cytogenetics:</b>	15 F1
<b>MW:</b>	79.8 kDa
<b>Gene Summary:</b>	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]

### Product images:



Circular map for MR224905