

Product datasheet for **MC221033**

Larp4 (NM_001080948) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Larp4 (NM_001080948) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Larp4
Synonyms:	DXErtd793; DXErtd793e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221033 representing NM_001080948
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTTGGAGCAGGTGACATCTAAAGGCACTGGTTAAATCCTAATGCCAAAGTATGGCAAGAAATTC
 CTTCTGGAAATCCGGATGGCACTCCTGTAACCTGAAACCCTTTGGCATGAAACTGCAGCCACATCTGGATC
 TCACCCTGAGGGCCATACAGAATTTTCAGAAGATATGTGTAAGGAATATGAAGTAAATGATTCTCCATCT
 TGTGAAACCACAAGGAATACTGCAGATGTTGAAGAGTCAGCTGATGGAATGATCTTAGGACCGGAAGACC
 TGAGTTACCAACTCTATGATGTTTCTGGAGAAAGCAGTTCAGCAATTTCTACAGAAGATTTAAAAGAATG
 TCTGAAAAACAATTGGAATCTGTTTCTCAGGAGAAAATTTATCAAAGGACCTTTACTTGATATCTCAA
 ATGGATAGTGATCAGTTCGTCCTCAATATGGACGGTTGCCAACATGGAAGAAATTAATAAATGACTACAA
 ATACAGATTTAATCTTGAAGTATTGAGATCTTCCCCTATGGTACAAGTTGATGAGAAGGGAGAAAAGGT
 GAGACCAAGTCATAAGCGATGTATTGTGATTCTCAGAGAGATTCCTGAGACAACGCTGTAGAGGAAGTG
 AAAGCTTTGTTTAAAAATGAAAACCTGCCCAAAGTGATAAGCTGTGAGTTTGCACACAACAGCAACTGGT
 ACATCACTTTCCAGTCAGACACAGATGCACAGCAGGCTTTTAAATACTTAAGAGAAGAAGTTAAACATT
 TCAGGGCAAGCCAATCATGGCAAGGATAAAAGCCATCAATACATTTTTGCTAAGAAATGGTTATCGATTA
 ATGGATTCTAGTATGTATACTCAACCTATTCAGACTCCTACCCAATATCCCTCACCAGTCTTCATGCAAC
 CAGTGTATAATCCTCAGCAGTACTCAGTGTATAGTCTTGTGCCTCAGTCTTGGTCTCCAAGTCTGCACC
 TTACTTTGAAACACCCTGGCTCCCTTTCCCAATGGTAGTTTTGTGAATGGCTTTAGTTCACCAGGATCT
 TACAAAACAAATGCTGCTGCTATGAATATGGGCCGACCATTCCCAAAAAATCGTGTGAAGCCTCATTTTA
 GGTCATCCAGTGGTTCAGAACACTCAACAGAGGGCTCCGTGTATTGGGGGATGGACCACAGCAGATC
 TAGTTCAAGGATCTTTCTTTCTGAACGGCATAACCCAACAGTAACAGGGCAGCAGGAACAAACTTATCTT
 CCAAAGGAGGCTCCCATTTTACAGATGGAACAGAATGGGGACTTTGGAAGAGGCAGGCGAACTCTCTTCA
 GAGGCCGAAGGCGAAGGGATGATGACAGGATCCCAAGACCCCAACCTGCAGCAACTGAAGCCAAGGCTCC
 AACTCCGAAGTTTGATTTGCTTGTCTACAAATTTCCCTCTTTACCTGGAAGCTCATCGAGAGTGCCAGAT
 GAACCTGGTTTGGAGAACAGAATGTCTGATGTCGTTAAAGGTGTCTGCAGAGAAAAGGACAGCGAGGACG
 TGCGAGTTAGTTGCCAGTGCCTGCAGAGGACGGACAGACAGACTGCCTTCTGCGCCGCTCAGCATAAG
 TCCTAGTCTCCGTGTACAGCTGAGCCTCCTGTGTTAAGCAGACTCAGCAAGAGCAGGATCAGATGGAG
 GACTCTGTGTTCCAAAGGACACTCTCAACCCAGTAGCTGTGCCAGTGTCTTCTCCAAGTCCACAAAGC
 CATCCCCGGCAAACACGGCTTCACTTGCAGTAAACATAAACCCACCGAGAGCTGTGGCCTGCAGGA
 ACCTCGAAAGTTAAGCTATGCTGAAGTGTGCCAGAAGCCTCTAAAGAGCCATCTCCAGTCTCTGTACAG
 CCGCTGCGGGAATCCGGTCTAATGCAGTATCCCCCACCAGAAATGAAGAGAACGGAGCTCCCGAGAAGC
 CTGTTGAGAAGCCGATGAGAAACCAGAAACAAGGGCTAGTAAGGATCATTCTGGCTTCCGAGGCAACAC
 TATTCCCAGGGGAGCGGCTGGAAAAATCAGGGAACAGAGACGCCAGTTCAGCCATAGGGCTACACCTCAG
 GGAGTGACTCGACGTAATGGGAAAGAGCAATACGTGCCACCCAGATCACCAAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001080948
Insert Size: 2157 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001080948.2</u> , <u>NP_001074417.1</u>
RefSeq Size:	6553 bp
RefSeq ORF:	2157 bp
Locus ID:	207214
UniProt ID:	<u>Q8BWW4</u>
Cytogenetics:	15 F1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains an alternate 5'-terminal exon, initiates translation at an alternate start codon, and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.</p>