

Product datasheet for **MR230977**

Larp4 (NM_001284523) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Larp4 (NM_001284523) 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:

>MR230977 representing NM_001284523
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGCTCTTCGTTGAGCAGGTGACATCTAAAGGCACTGGTTTAAATCCTAATGCCAAAGTATGGCAAG
AAATTCCTTCTGGAAATCCGGATGGCACTCCTGTAACCTGAAACCTCTGGCATGAACTGCAGCCACATC
TGGATCTCACCTGAGGGCCATACAGAAGTATGTGTAAGGAATATGAAGTATGATTCT
CCATCTTGTGAAACCACAAGGAATACTGCAGATGTTGAAGAGTCAGCTGATGGAATGATCTTAGGACCGG
AAGACCTGAGTTACCAACTCTATGATGTTTCTGGAGAAAGCAGTTCAGCAATTTCTACAGAAGATTTAAA
AGAATGTCTGAAAAACAATTGGAATTCTGTTTCTCACGAGAAAATTTATCAAAGGACCTTTACTTGATA
TCTCAAATGGATAGTGATCAGTTCGTCCTAATGAGACGGTTCACCAATGGAAGAAATTTAAAAATTGA
CTACAAAACAGATTTAATCTTGAAGTATTGAGATCTTCCCCTATGGTACAAGTTGATGAGAAGGGAGA
AAAGGTGAGACCAAGTCATAAGCGATGTATTGTGATTCTCAGAGAGATTCTGAGACAACGCTGTAGAG
GAAGTGAAAGCTTTGTTTAAAAATGAAACTGCCCAAAGTGATAAGCTGTGAGTTTGGCACAACAGCA
ACTGGTACATCACTTTCCAGTCAGACACAGATGCACAGCAGGCTTTTAAATACTTAAAGAGAAGTAA
AACATTTCAAGGCAAGCCAATCATGGCAAGGATAAAAAGCCATCAATACATTTTTTGTAAAGATGTTAT
CGATTAATGGATTCTAGTATGTATACTCAACCTATTCAGACTCCTACCAATATCCCTCACCAGTCTTCA
TGCAACCAGTGTATAATCCTCAGCAGTACTCAGTGTATAGTCTTGTGCCTCAGTCTTGGTCTCCAAGTCC
TGCACCTACTTTGAAACACCACTGGCTCCCTTCCCAATGGTAGTTTTGTGAATGGCTTTAGTTACCA
GGATCTTACAAAACAATGCTGCTGCTATGAATATGGGCCGACCATTCCAAAAAATCGTGTGAAGCCTC
ATTTTAGTTCATCCAGTGGTTCAGAACACTCAACAGAGGGCTCCGTGTCATTGGGGGATGGACCCTGAG
CAGATCTAGTTCAAGGATCTTTCTTCTGAACGGCATAACCCAACAGTAACAGGGCAGCAGGAACAACT
TATCTTCAAAGGAGGCTCCCATTTTACAGATGGAACAGAATGGGGACTTTGGAAGAGGCAGGCGAACTC
TCTTCAGAGGCCGAAGGCGAAGGGATGATGACAGGATCCCAAGACCCCAACCTGCAGCAACTGAAGCCAA
GGCTCCAACCTCGAAGTTTGATTTGCTTGTCTACAAATTTCCCTCCTTTACCTGGAAGCTCATCGAGAGTG
CCAGATGAACTTGGTTTGGAGAACAGAATGTCTGATGTCGTTAAAGGTGTCTGCAGAGAAAAGGACAGCG
AGGACGTGCGAGTTAGTTGCCAGTGCCTGCAGAGGACGGACAGACAGACTGCATTCTGCGCCGCTCAG
CATAAGTCTAGTCTCCGTGTACAGCTGAGCCTCCTGTGTTAAGCACGACTCAGCAAGAGCAGGATCAG
ATGGAGGACTCTGCTGTTCCAAAGGACACTCTCAACCCAGTAGTGTGCCAGTGTCTTCTCCAAGTCCCA
CAAAGCCATCCCGGCAACACGGCTTACCTTGCAGTAAACATAAACCCACCAGAGCTGTGGCCCT
GCAGGAACCTCGAAAGTTAAGCTATGCTGAAGTGTGCCAGAAGCCTCCTAAAGAGCCATCTCCAGTTCTC
GTACAGCCGCTGCGGAACTCCGGTCTAATGCAGTATCCCCACCAGAAATGAAGAGAACGGAGCTCCCG
AGAAGCCTGTTGAGAAGCCGATGAGAAACCAGAAACAAGGGCTAGTAAGGATCATTCTGGCTTCCGAGG
CAACACTATTCCAGGGGAGCGGCTGAAAAATCAGGGAACAGAGACGCCAGTTCAGCCATAGGGCTACA
CCTCAGGGAGTGACTCGACGTAATGGGAAAGAGCAATACGTGCCACCCAGATACCCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230977 representing NM_001284523
 Red=Cloning site Green=Tags(s)

MLLFVEQVTSKGTGLNPNKVVWQEIPSGNPDGTPVTEPSWHETAATSGSHPEGHTELSMDCKEYEVVMS
 PSCETTRNTADVEESADGMILGPEDLSYQLYDVSGESSAISTEDLKECLKKQLEFCFSRENLSKDLYLI
 SQMDSDFVPIWTVANMEEIKKLTNTDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETTPVE
 EVKALFKNENCPKVISCEFAHNSNWIITFQSDTDAQQAFKYLREEVKTFQGKPIIMARIKAINFFAKNGY
 RLMDSMYTQPIQTPTQYSPVFMQPVYNPQQYSVYSLVPQSWSPAPYFETPLAPFPNGSFVNGFSSP
 GSYKTNAAMNMRPFPKNRVKPHFRSSSGSEHSTEGSVSLGDGPLSRSSSRIFLSERHNPTVTGQQEQT
 YLPKEAPILQMEQNGDFGRRRTLFRGRRRRDDDRIPRPQPAATEAKAPTPKFDLLATNFPPLPGSSSRV
 PDELGLENRMSDVVKGVCREKDESDVRSVCPVAEDGQTDCTSAPLSISPPSPPCTAEPVLTSTTQQEQDQ
 MEDSAVPKDTLNPVAVPVSSPTATKPSANTASPCTSNINPPRAVALQEPRKLSYAEVCQKPPKEPSPVL
 VQPLRELRSNAVSPTRNEENGAPEKPVKPEKPEKTRASKDHSGFRGNTIPRGAAGKIREQRRQF SHRAT
 PQGVTRRNGKEQYVPPRSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001284523

ORF Size: 2160 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_001284523.1](#), [NP_001271452.1](#)

RefSeq Size: 6543 bp

RefSeq ORF: 2163 bp

Locus ID: 207214

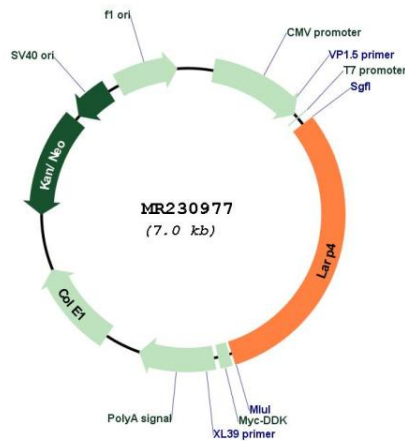
UniProt ID: [Q8BWW4](#)

Cytogenetics: 15 F1

MW: 80.3 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]

Product images:



Circular map for MR230977