

Product datasheet for **MG224905**

Larp4 (NM_001024526) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Larp4 (NM_001024526) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Larp4
Synonyms:	DXErtd793; DXErtd793e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG224905 representing NM_001024526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTGCTCTTCGTTGAGGTGACATCTAAAGGCCTGGTTTAAATCCTAATGCCAAAGTATGGCAAGAAA
 TTCCTTCTGAAAATCCGGATGGCACTCCTGTAACCTGAACCTCTTGGCATGAAACTGCAGCCACATCTGG
 ATCTCACCTGAGGGCCATACAGAACTTTCAGAAGATATGTGTAAGGAATATGAAGTAATGTATTCTCCA
 TCTTGTGAAACCACAAGGAATACTGCAGATGTTGAAGAGTCAGCTGATGGAATGATCTTAGGACCGGAAG
 ACCTGAGTTACCAACTCTATGATGTTTCTGGAGAAAGCAGTTCAGCAATTTCTACAGAAGATTTAAAGA
 ATGTCTGAAAAACAATTGGAATCTGTTTCTCACGAGAAAATTTATCAAAGGACCTTTACTTGATATCT
 CAAATGGATAGTGATCAGTTCGTCCTCAATATGGACGGTTGCCAACATGGAAGAAATTAATAAATTGACTA
 CAAATACAGATTTAATTTCTGAAGTATTGAGATCTTCCCTATGGTACAAGTTGATGAGAAGGGAGAAAA
 GGTGAGACCAAGTCATAAGCGATGTATTGTGATTCTCAGAGAGATTCTGAGACAACGCCGTAGAGGAA
 GTGAAAGCTTTGTTTAAAAATGAAAAGTCCCAAGTATAAGCTGTGAGTTTGCACACAACAGCAACT
 GGTACATCACTTTCCAGTCAGACACAGATGCACAGCAGGCTTTTAAATACTTAAGAGAAGAGTTAAAC
 ATTTACAGGCAAGCCAATCATGGCAAGGATAAAAGCCATCAATACATTTTTTGTAAAGATGGTTATCGA
 TTAATGGATTCTAGTATGTATACTCAACCTATTCAGACTCCTACCAATATCCCTCACCAGTCTTCATGC
 AACCAGTGATAATCCTCAGCAGTACTCAGTGTATAGTCTTGTGCCTCAGTCTTGGTCTCCAAGTCTGC
 ACCTTACTTTGAAACACCACTGGCTCCCTTTCCAATGGTAGTTTTGTGAATGGCTTTAGTTCACCAGGA
 TCTTACAAAACAATGCTGCTGCTATGAATATGGGCCGACCATCCCAAAAAATCGTGTGAAGCCTCATT
 TTAGGTCATCCAGTGGTTCAGAACACTCAACAGAGGGCTCCGTGTCATTGGGGGATGGACCACTGAGCAG
 ATCTAGTTCAAGGATCTTTCTTTCTGAACGGCATAACCCAACAGTAACAGGGCAGCAGGAACAACTTAT
 CTTCAAAAGGAGGCTCCCATTTTACAGATGGAACAGAATGGGGACTTTGGAAGAGGCAGGCGAACTCTCT
 TCAGAGGCCGAAGGCGAAGGGATGATGACAGGATCCCAAGACCCCAACCTGCAGCAACTGAAGCCAAGGC
 TCCAACCTCGAAGTTTGATTTGCTTGTACAAAATTTCCCTCCTTACCTGGAAGCTCATCGAGAGTGCCA
 GATGAACTTGGTTTGGAGAACAGAATGTCTGATGTCGTTAAAGGTGTCTGCAGAGAAAAGGACAGCGAGG
 ACGTGCAGTTAGTTGCCAGTGCCTGCAGAGGACGGACAGACTGCACTTCTGCGCCGCTCAGCAT
 AAGTCCTAGTCTCCGTGTACAGCTGAGCCTCCTGTGTTAAGCACGACTCAGCAAGAGCAGGATCAGATG
 GAGGACTCTGCTGTTCCAAAGGACTCTCAACCCAGTAGCTGTGCCAGTGTCTTCTCCAACCTGCCACAA
 AGCCATCCCCGGCAAACACGGCTTACCTTGCCTAGTAACATAAACCCACCGAGAGCTGTGGCCCTGCA
 GGAACCTCGAAAGTTAAGCTATGCTGAAGTGTGCCAGAAGCCTCTAAAGAGCCATCTCCAGTTCTCGTA
 CAGCCGCTGCGGGAACTCCGGTCTAATGCAGTATCCCCACCAGAAATGAAGAGAACGGAGCTCCCGAGA
 AGCCTGTTGAGAAGCCGCATGAGAAACCAGAAACAAGGGCTAGTAAGGATCATTCTGGCTCCGAGGCAA
 CACTATCCCAGGGGAGCGGCTGGAAAAATCAGGGAACAGAGACGCCAGTTCCAGCCATAGGGCTACACCT
 CAGGGAGTGACTCGACGTAATGGGAAAGAGCAATACGTGCCACCCAGATCACCAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224905 representing NM_001024526
 Red=Cloning site Green=Tags(s)

MLLFVEVTSKGTGLNPNKAVWQEIPSGNPDGTPVTEPSWHETAATSGSHPEGHTELSEDMCKEYEVMYSP
 SCETTRNTADVEESADGMILGPEDLSYQLYDVSGESSAISTEDLKECLKKQLEFCFSRENLSKDLYLIS
 QMDSQDFVPIWTVANMEEIKKLTNTDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETTPVEE
 VKALFKNENCPKVISCEFAHNSNWIITFQSDTAQQAFKYLREEVKTFGKPIMARIKAINFFAKNGYR
 LMDSSMYTQPIQTPTQYPSVFMQPVYNPQQYSVYSLVPQSWSPAPYFETPLAPFPNGSFVNGFSSPG
 SYKTNAAMNMGRPFKPNRVKPHFRSSSGSEHSTEGSVSLGDGPLSRSSRIFLSEHNPVTGTGQQEQTY
 LPKEAPILQMEQNGDFGRGRRTLFRGRRRRDDDRIPRPQPAATEAKAPTPKFDLLATNFPLPGSSSRVP
 DELGLENRMSDVYKGVCREKDESDVRVSCPVAEDGQTDCTAPLSISPPCTAEPVLTSTTQQEQDQM
 EDSAVPKDNLNPVAVPVSSPTATKSPANTASPCTSNINPPRAVALQEPRKLSYAEVCQKPPKESPVLV
 QPLRELRSNAVSPTRNEENGAPEKPVKEPHEKPETRASKDHSGRGNTIPRGAAGKIREQRRQF SHRATP
 QGVTRRNGKEQYVPPRSPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

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_001024526.2](#), [NP_001019697.2](#)

RefSeq Size: 6548 bp

RefSeq ORF: 2160 bp

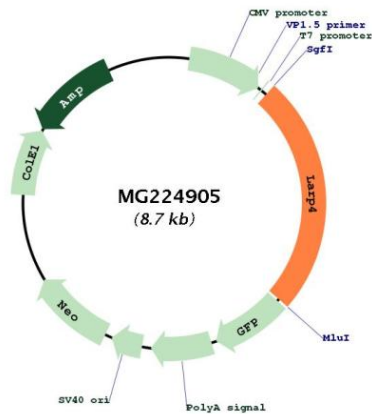
Locus ID: 207214

UniProt ID: [Q8BWW4](#)

Cytogenetics: 15 F1

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 MG224905