

## Product datasheet for **MG223673**

### Larp4 (NM\_001080948) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Larp4 (NM_001080948) 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)



[View online »](#)

ORF Nucleotide  
Sequence:

>MG223673 representing NM\_001080948  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTTTGGAGCAGGTGACATCTAAAGGCACTGGTTAAATCCTAATGCCAAAGTATGGCAAGAAATTC  
 CTCTGGAAATCCGGATGGCACTCCTGTAACCTGAAACCCTTTGGCATGAAACTGCAGCCACATCTGGATC  
 TCACCCTGAGGGCCATACAGAATTTTCAGAAGATATGTGTAAGGAATATGAAGTAAATGATTCTCCATCT  
 TGTGAAACCACAAGGAATACTGCAGATGTTGAAGAGTCAGCTGATGGAATGATCTTAGGACCGGAAGACC  
 TGAGTTACCAACTCTATGATGTTTCTGGAGAAAGCAGTTCAGCAATTTCTACAGAAGATTTAAAAGAATG  
 TCTGAAAAACAATTGGAATCTGTTTCTCAGGAGAAAATTTATCAAAGGACCTTTACTTGATATCTCAA  
 ATGGATAGTGATCAGTTCGTCCTCAATATGGACGGTTGCCAACATGGAAGAAATTAATAAATGACTACAA  
 ATACAGATTTAATCTTGAAGTATTGAGATCTTCCCCTATGGTACAAGTTGATGAGAAGGGAGAAAAGGT  
 GAGACCAAGTCATAAGCGATGTATTGTGATTCTCAGAGAGATTCCTGAGACAACGCCTGTAGAGGAAGTG  
 AAAGCTTTGTTTAAAAATGAAAACCTGCCCAAAGTGATAAGCTGTGAGTTTGCACACAACAGCAACTGGT  
 ACATCACTTTCCAGTCAGACACAGATGCACAGCAGGCTTTTAAATACTTAAGAGAAGAAGTTAAACATT  
 TCAGGGCAAGCCAATCATGGCAAGGATAAAAGCCATCAATACATTTTTGCTAAGAAATGGTTATCGATTA  
 ATGGATTCTAGTATGTATACTCAACCTATTCAGACTCCTACCCAATATCCCTCACCAGTCTTCATGCAAC  
 CAGTGTATAATCCTCAGCAGTACTCAGTGTATAGTCTTGTGCCTCAGTCTTGGTCTCCAAGTCTGCACC  
 TTACTTTGAAACACCCTGGCTCCCTTTCCCAATGGTAGTTTTGTGAATGGCTTTAGTTCACCAGGATCT  
 TACAAAACAAATGCTGCTGCTATGAATATGGGCGGACCATTCCCAAAAAATCGTGTGAAGCCTCATTTTA  
 GGTCATCCAGTGGTTCAGAACACTCAACAGAGGGCTCCGTGTATTGGGGGATGGACCCTGAGCAGATC  
 TAGTTCAAGGATCTTTCTTTCTGAACGGCATAACCCAACAGTAACAGGGCAGCAGGAACAACTTATCTT  
 CCAAAGGAGGCTCCCATTTTACAGATGGAACAGAATGGGACTTTGGAAGAGGCAGGCGAACTCTCTTCA  
 GAGGCCGAAGGCGAAGGGATGATGACAGGATCCCAAGACCCCAACCTGCAGCAACTGAAGCCAAGGCTCC  
 AACTCCGAAGTTTGATTTGCTTGTCTACAAATTTCCCTCTTTACCTGGAAGCTCATCGAGAGTGCCAGAT  
 GAACCTGGTTTGGAGAACAGAATGTCTGATGTCGTTAAAGGTGTCTGCAGAGAAAAGGACAGCGAGGACG  
 TGCGAGTTAGTTGCCAGTGCCTGCAGAGGACGGACAGACAGACTGCCTTCTGCGCCGCTCAGCATAAG  
 TCCTAGTCTCCGTGTACAGCTGAGCCTCCTGTGTTAAGCAGACTCAGCAAGAGCAGGATCAGATGGAG  
 GACTCTGTGTTCCAAAGGACACTCTCAACCCAGTAGCTGTGCCAGTGTCTTCTCCAAGTCCACAAAGC  
 CATCCCCGGCAAACACGGCTTCACTTGCAGTAAACATAAACCCACCGAGAGCTGTGGCCTGCAGGA  
 ACCTCGAAAGTTAAGCTATGCTGAAGTGTGCCAGAAGCCTCTAAAGAGCCATCTCCAGTCTCTGTACAG  
 CCGCTGCGGGAATCCGGTCTAATGCAGTATCCCCCACCAGAAATGAAGAGAACGGAGCTCCCGAGAAGC  
 CTGTTGAGAAGCCGATGAGAAACCAGAAACAAGGGCTAGTAAGGATCATTCTGGCTTCCGAGGCAACAC  
 TATTTCCAGGGGAGCGGCTGGAAAAATCAGGGAACAGAGACGCCAGTTCAGCCATAGGGCTACACCTCAG  
 GGAGTACTCGACGTAATGGGAAAGAGCAATACGTGCCACCCAGATCACCAAAG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG223673 representing NM\_001080948  
 Red=Cloning site Green=Tags(s)

MALEQVTSKGTGLNPNKVVWQEIPSGNPDGTPVTEPSWHETAATSGSHPEGHTELSMCKEYEVMYSPS  
 CETTRNTADVEESADGMILGPEDLSYQLYDVSGESSAISTEDLKECLKKQLEFCFSRENLSKDLYLISQ  
 MDSQDFVPIWTVANMEEIKKLTNTDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETTPVEEV  
 KALFKNENCPKVISCEFAHNSNWIYITFQSDTDAQQAFKYLREEVKTFFQGKPIMARIKAINTEFFAKNGYRL  
 MDSSMYTQPIQTPTQYSPVFMQPVYNPQQYSVYSLVPQSWSPAPYFETPLAPFPNGSFVNGFSSPGS  
 YKTNAAMNMGRPFKPNRVKPHFRSSSGSEHSTEGSVSLGDGPLSRSSSRIFLSEHRNPTVTGQQEQTYL  
 PKEAPILQMEQNGDFGRGRRTLFRGRRRRDDDRIPRPQPAATEAKAPTPKFDLLATNFPPLPGSSSRVDP  
 ELGLENRMSDVVKGVCREKDSQEDVRSVCPVAEDGQTDCTSAPLSISPPPTAEPVLTSTTQQEQDQME  
 DSAVPKDTLNPVAVPVSSPTATKPSANTASPCTSNINPPRAVALQEPKLSYAEVCQKPKPEKPSPLVQ  
 PLRELRSNAVSPTRNEENGAPEKPVKPKHEKPETRASKDHSGFRGNTIPRGAAGKIREQRRQFSHRATPQ  
 GVTRRNGKEQYVPPRSPK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001080948

**ORF Size:** 2154 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\\_001080948.2](#), [NP\\_001074417.1](#)

**RefSeq Size:** 6552 bp

**RefSeq ORF:** 2157 bp

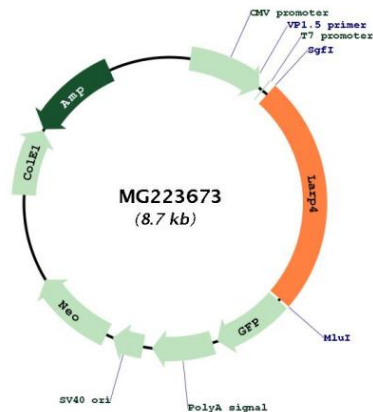
**Locus ID:** 207214

**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 MG223673