

## Product datasheet for **RC220439**

### LARP4 (NM\_199188) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LARP4 (NM_199188) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LARP4
Synonyms:	PP13296
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide  
Sequence:**

>RC220439 representing NM\_199188  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGCTTTTCGTGGAGCAGGTAGCATCTAAAGAACTGGTTTAAATCCTAATGCCAAAGTATGGCAAG  
 AAATTGCTCCTGGAAATACTGATGCCACCCAGTAACTCATGAACTGAAAGCTCTTGGCATGAAATAGC  
 AGCTACATCAGGTGCTCATCCTGAGGTGTCTGTCTTTAATACAGGTAATGCAGAGCTCTCAGAAGATATA  
 TGTAAGAATATGAAGTAATGTATTCTTCATCTTGTGAAACCACAAGAAATACTACAGGCATTGAAGAAT  
 CAACTGATGGGATGATTTTAGGACCAGAAGATCTGAGTTACCAAATATATGATGTTTCCGGAGAAAGCAA  
 TTCAGCAGTTTCTACAGAAGACCTAAAAGAATGTCTGAAGAAACAATTAGAATCTGTTTTTCCAGGAA  
 AATTTGTCAAAGGATCTTACTTGATATCTCAAATGGATAGTGATCAGTTCATCCCAATTTGGACAGTTG  
 CCAACATGGAAGAAATAAAAAAGTTGACTACAGACCCTGATCTAATTCCTGAAGTGTAAAGATCTTCTCC  
 CATGGTACAAGTTGATGAGAAGGGTGAGAAAGTGAGACCAAGTCATAAGCGTTGTATTGTAATTCCTAGA  
 GAGATTCCTGAAACAACCAATAGAGGAAGTGAAAGGTTTGTCAAAAGTGAAAAGTGCCTCCAAAGTGA  
 TAAGCTGTGAGTTGCACACAATAGCAACTGGTATATCACTTTCCAGTCAGACACAGATGCACAACAGGC  
 TTTTAAATACTTAAAGAGAAGAAGTTAAAACATTTAGGGCAAGCCAATTATGGCAAGGATAAAAGCCATC  
 AATACATTTTTTGCTAAGAATGGTTATCGATTAATGGATTCTAGTATCTATAGTCACCCCACTCAAACCTC  
 AAGCACAGTATGCCTCCCGAGTCTTATGCAGCCTGTATAATCCTCACCAACAGTACTCGGTCTATAG  
 TATTGTGCCTCAGTCTTGGTCTCCAAATCCTACACCTTACTTTGAAACACCACTGGCTCCCTTTCCCAAT  
 GGTAGTTTTGTGAATGGCTTTAATTCGCCAGGATCTTATAAAACAATGCTGCTGCTATGAATATGGGTC  
 GACCATCCAAAAAATCGTGTGAAGCCTCAGTTTAGGTCATCTGGTGGTTCAGAACACTCAACAGAGGG  
 CTCTGTATCCTTGGGGGATGGACAGTTGAACAGATATAGTTCAAGAACTTTCCAGCTGAACGGCATAAC  
 CCCACAGTAACTGGGCATCAGGAGCAAACCTACCTTCAGAAGGAGACTTCCACTTTGCAGGTGGAACAGA  
 ATGGGGACTATGGTAGGGGCAGGAGAACTCTTTCAGAGGTCGAAGACGACGAGAAGATGACAGGATCTC  
 AAGACCTCATCCTTCAACAGCTGAATCAAAGGCTCCAACACCAAAGTTTGACTTATTAGCCTCAAATTTT  
 CCACCTTACCTGGAAGTTCATCAAGAATGCCAGGTGAACCTGTTTTGGAGAATAGGATGTCTGATGTTG  
 TTAAGGTGTCTACAAAGAAAAGGATAATGAAGAGTTGACAATTAGTTGCCCACTGCCTGCAGATGAGCA  
 GACAGAATGCACTTCTGCCAGCAACTCAATATGAGTACCAGTTCCTATGTGCTGCTGAGCTTACTGCA  
 TTAAGCACAACACTCAGCAAGAAAAGGATCTAATAGAAGATTCCTCTGTTTCAGAAGGATGGTCTCAATCAGA  
 CAACTATACCAGTTTCTCCTCCAAGTACTACAAAGCCATCGAGGGCAAGTACTGCTTACCATGTAATAA  
 TAACATAAATGCAGCTACAGCTGTGGCTCTACAGGAACCCCGAAAAGTTAAGTTATGCTGAAGTGTGCCAG  
 AAGCCCCCTAAAGAGCCATCTTCAGTCTTGTGTCAGCCACTACGGGAACCTTCGCTCCAATGTGGTGTCTC  
 CCACAAAAATGAAGACAATGGAGCTCCTGAGAACTCCGTTGAGAAACCATGAGAAGCCAGAAGCAAG  
 GGCTAGTAAGGATTATTCTGGCTTCCGAGGCAATATAATCCCAAGGGGAGCAGCAGGAAAAATCAGGGAA  
 CAGAGACGCCAGTTTAGCCATAGGGCTATACCTCAGGGAGTGACTCGACGTAATGGCAAAGCAATATG  
 TGCCACCCAGATCACAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC220439 representing NM\_199188  
Red=Cloning site Green=Tags(s)

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MLLFVEQVASKGTGLNPNKVVQEIAPGNTPVTHGTESSWHEIAATSGAHPEVSVFNTGNAELSEDI
CKEYEVMYSSSCETTRNTTGIEESTDGMILGPEDLSYQIYDVSGESNSAVSTEDLKECLKQLEFCFSRE
NL SKDL YLISQMDSDQF IPIWTVANMEEIKKLTDPDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILR
EIPETTPIEEVKGLFKSENCPKVISCEFAHNSNWIYITFQSDTDAQQAFKYLREEVKTFQGKPIARIKAI
NTFFAKNGYRLMDSSIIYSHPIQTAQYASPVFMQPVYNPHQQYSVYSIVPQSWSPNPTPYFETPLAPFPN
GSFVNGFNPSGSYKTNAAMNMGRPFQKNRVKQFRSSGGSEHSTEGSVSLGDGQLNRYSSRNFPFAERHN
PTVTGHQEQTYLQKETSTLQVEQNGDYGRGRRTLFRGRRRREDDRISRPHPSTAESKAPTPKFDLLASNF
PPLPGSSSRMPGELVLENRMSDVVKGVYKEDNEELTISCPVPADEQTECTSAQQLNMSTSSPCAAELTA
LSTTQEQKDLIEDSSVQKDLNQTIPVSPSTTKPSRASTASPCNNNINAATAVALQEPRKLSYAEVCQ
KPPKEPSSVLVQPLRELRNVSPTKNEDNGAPENSVEKPHEKPEARASKDYSGFRGNIIPRGAAGKIRE
QRRQFSHRAIPQGVTRNGKEQYVPPRSPK
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8042\\_b02.zip](https://cdn.origene.com/chromatograms/mk8042_b02.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_199188

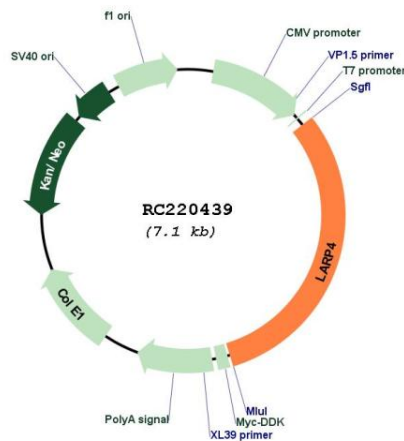
**ORF Size:** 2190 bp

**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_199188.1</a> , <a href="#">NP_954658.1</a>
<b>RefSeq Size:</b>	6496 bp
<b>RefSeq ORF:</b>	2172 bp
<b>Locus ID:</b>	113251
<b>UniProt ID:</b>	<a href="#">Q71RC2</a>
<b>Cytogenetics:</b>	12q13.12
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	80.3 kDa
<b>Gene Summary:</b>	RNA binding protein that binds to the poly-A tract of mRNA molecules (PubMed:21098120). Associates with the 40S ribosomal subunit and with polysomes (PubMed:21098120). Plays a role in the regulation of mRNA translation (PubMed:21098120). Plays a role in the regulation of cell morphology and cytoskeletal organization (PubMed:21834987, PubMed:27615744). [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC220439