

## Product datasheet for **RC216731**

### LARP4 (NM\_052879) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LARP4 (NM_052879) 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)



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**ORF Nucleotide Sequence:**

>RC216731 representing NM\_052879  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGCTTTTCGTGGAGCAGGTAGCATCTAAAGAACTGGTTTAAATCCTAATGCCAAAGTATGGCAAG  
 AAATTGCTCCTGGAAATACTGATGCCACCCAGTAACTCATGAACTGAAAGCTCTTGGCATGAAATAGC  
 AGCTACATCAGGTGCTCATCCTGAGGGTAAATGCAGAGCTCTCAGAAGATATATGTAAAGAATATGAAGTA  
 ATGTATTCTTCATCTTGTGAAACCAAGAATACTACAGGCATTGAAGAATCAACTGATGGGATGATTT  
 TAGGACCAGAAGATCTGAGTTACCAATATATGATGTTTCCGGAGAAAGCAATTCAGCAGTTTCTACAGA  
 AGACCTAAAAGAATGTCTGAAGAAACAATTAGAATTCTGTTTTTCCAGGAGAAAATTTGTCAAAGGATCTT  
 TACTTGATATCTCAAATGGATAGTGATCAGTTCATCCCAATTTGGACAGTTGCCAACATGGAAGAAATAA  
 AAAAGTTGACTACAGACCCTGATCTAATCTTGAAGTGTAAAGATCTTCTCCCATGGTACAAGTTGATGA  
 GAAGGGTGAGAAAGTGAGACCAAGTCATAAGCGTTGTATTGTAATTCTTAGAGAGATTCTGAAACAACA  
 CCAATAGAGGAAGTGAAAGGTTTGTTCAAAAGTAAAAGTGCCTCCAAAGTGATAAGCTGTGAGTTTGCCAC  
 ACAATAGCAACTGGTATATCACTTTCCAGTCAGACACAGATGCACAACAGGCTTTTAAATCTTAAGAGA  
 AGAAGTTAAAACATTTACAGGCAAGCCAATTATGGCAAGGATAAAAGCCATCAATACATTTTTTGCTAAG  
 AATGGTTATCGATTAATGGATTCTAGTATCTATAGTCACCCCATCAAATCAAGCACAGTATGCCTCCC  
 CAGTCTTTATGCAGCCTGTATATAATCCTCACCAACAGTACTCGGTCTATAGTATTGTGCCTCAGTCTTG  
 GTCTCAAATCCTACACCTTACTTTGAAACACCACTGGCTCCCTTTCCCAATGGTAGTTTTGTGAATGGC  
 TTTAATTCGCCAGGATCTTATAAAACAATGCTGCTGCTATGAATATGGGTGACCATTCAAAAAATC  
 GTGTGAAGCCTCAGTTTAGTTCATCTGGTGGTTTCCAGCAACTCAACAGAGGGCTCTGTATCTTTGGGGAT  
 TGGACAGTTGAACAGATATAGTTCAAGAACTTTCCAGCTGAACGGCATAACCCACAGTAACTGGGCAT  
 CAGGAGCAAACCTTACCTTCAGAAGGAGACTTCCACTTTGCAGGTGGAACAGAATGGGGACTATGGTAGGG  
 GCAGGAGAACTCTCTTCAGAGGTCGAAGACGACGAGAAGATGACAGGATCTCAAGACCTCATCCTTCAAC  
 AGCTGAATCAAAGGCTCCAACACCAAAGTTTGACTTATTAGCCTCAAATTTCCACCTTTACCTGGAAGT  
 TCATCAAGAAATGCCAGGTGAACCTGTTTTGGAGAATAGGATGTCTGATGTTGTTAAAGGTGTCTACAAAG  
 AAAAGGATAATGAAGAGTTGACAATTAGTTGCCAGTGCCTGCAGATGAGCAGACAGAATGCACTTCTGC  
 CCAGCAACTCAATATGAGTACCAGTTCTCCATGTGCTGCTGAGCTTACTGCATTAAGCACAACCTCAGCAA  
 GAAAAGGATCTAATAGAAGATTCTCTGTTTCCAGGATGGTCTCAATCAGACAACCTATACCAGTTTCTC  
 CTCCAAGTACTACAAAGCCATCGAGGGCAAGTACTGCTTACCATGTAATAATAACATAAATGCAGCTAC  
 AGCTGTGGCTCTACAGGAACCCCGAAAGTTAAGTTATGCTGAAGTGTGCCAGAAGCCCCCTAAAGAGCCA  
 TCTTCAGTTCTTGTGCAGCCACTACGGAACTTCGCTCCAATGTGGTGTCTCCCACAAAAATGAAGACA  
 ATGGAGCTCCTGAGAACTCCGTTGAGAAACCATGAGAAGCCAGAAGCAAGGGCTAGTAAGGATTATTC  
 TGGCTTCCGAGGCAATATAATCCCAGGGGAGCAGCAGGAAAAATCAGGGAACAGAGACGCCAGTTTAGC  
 CATAGGGCTATACCTCAGGGAGTGACTCGACGTAATGGCAAAGAGCAATATGTGCCACCCAGATCACCAA  
 AG

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >RC216731 representing NM\_052879  
Red=Cloning site Green=Tags(s)

MLLFVEQVASKGTGLNPNKVVWQEIAPGNTDATPVTHGTESSWHEIAATSGAHPEGNAELSEDICKEYEV  
 MYSSSCEPTRNTTGIEESTDGMILGPEDLSYQIYDVSGESNSAVSTEDLKECLKKQLEFCFSRENLSKDL  
 YLISQMSDQFIPIWTVANMEEIKLLTDPDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETT  
 PIEEVKGLFKSENCPKVISCEFAHNSNWYITFQSDTDAQQAFKYLREEVKTFQGKPIMARIKAINTEFFAK  
 NGYRLMDSIYSHPIQTQAQYASPVFMQPVYNPHQQYSVYSIVPQSWSPNPTPYFETPLAPFPNGSFVNG  
 FNSPGSYKTNAAMNMGRPFQKNRVKPKFRSSGGSEHSTEGSVSLGQGQLNRYSSRNFP AERHNPTVTGH  
 QEQTYLQKETSTLQVEQNGDYGRGRRTLFRGRRRREDDRISRPHPSTAESKAPT PKFDLLASNFPPLPGS  
 SSRMPGELVLENRMSDVYKGVYKEKDNEELTISCPVPADEQTECTSAQQLNMSTSSPCAELTALSTTQQ  
 EKDLIEDSSVQKDGLNQTTIPVSPSTTKPSRASTASPCNNNINAATAVALQEPRKLSYA EVCQKPPKEP  
 SSVLVQPLRELRNVVSPTKNEDNGAPENSVEKPHEKPEARASKDYSGFRGNIIPRGAAGKIREQRRQFS  
 HRAIPQGVTRRNGKEQYVPPRSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_052879

**ORF Size:** 2172 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\\_052879.5](#)

**RefSeq Size:** 6537 bp

**RefSeq ORF:** 2175 bp

**Locus ID:** 113251

**UniProt ID:** [Q71RC2](#)

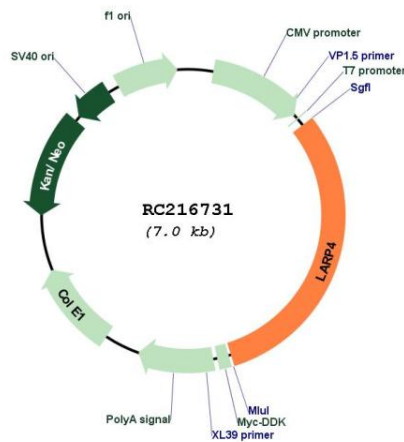
**Cytogenetics:** 12q13.12

**Protein Families:** Transcription Factors

**MW:** 80.6 kDa

**Gene Summary:** 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 RC216731