

Product datasheet for **RC215100**

LARP4 (NM_199190) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP4 (NM_199190) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LARP4
Synonyms:	PP13296
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC215100 representing NM_199190
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTTGCTTTTCGTGGAGCAGGTAGCATCTAAAGGAAGTGGTTTAAATCCTAATGCCAAAGTATGGCAAG
AAATTGCTCCTGGAAATACTGATGCCACCCAGTAACTCATGGAAGTAAAGCTCTTGGCATGAAATAGC
AGCTACATCAGGTGCTCATCCTGAGGGTAAATGCAGAGCTCTCAGAAGATATATGTAAAGAATATGAAGTA
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AGACCTAAAGAATGTCTGAAGAAACAATTAGAATTCGTTTTTTCAGGAGAAAATTTGTCAAAGGATCTT
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AAAAGTTGACTACAGACCCTGATCTAATCTTGAAGTGTAAAGATCTTCCCATGGTACAAGTTGATGA
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CCAATAGAGGAAGTGAAGGGTTTGTTCAAAAGTAAAAGTGCCTCAAGTGATAAGCTGTGAGTTTGCCAC
ACAATAGCAACTGGTATATCACTTTCCAGTCAGACACAGATGCACAACAGGCTTTTAAATCTTAAGAGA
AGAAGTAAAAACATTTCCAGGGCAAGCCAATTATGGCTCCCTTTCCCAATGGTAGTTTTGTGAATGGCTTT
AATTCGCCAGGATCTTATAAAACAAATGCTGCTGCTATGAATAAGGGTCGACCATTCCAAAAAATCGTG
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GAGCAAACCTACCTTCAGAAGGAGACTTCCACTTTCAGGTGGAACAGAATGGGGACTATGGTAGGGGCA
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TGAATCAAAGGCTCCAACACCAAAGTTTGACTTATTAGCCTCAAATTTTCCACCTTACCTGGAAGTTCA
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CAAGTACTACAAAGCCATCGAGGGCAAGTACTGCTTACCATGTAATAATAACATAAATGCAGCTACAGC
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TCAGTTCTTGTGCAGCCACTACGGGAACCTCGCTCCAATGTGGTGTCTCCACCAAAAAATGAAGACAATG
GAGCTCCTGAGAACTCCGTTGAGAAACCACATGAGAAGCCAGAAGCAAGGGCTAGTAAGGATTATTCTGG
CTTCCGAGGCAATATAATCCCCAGGGGAGCAGCAGGAAAAATCAGGGAACAGAGACGCCAGTTTAGCCAT
AGGGCTATACCTCAGGGAGTGACTCGACGTAATGGCAAAGAGCAATATGTGCCACCCAGATCACCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215100 representing NM_199190
 Red=Cloning site Green=Tags(s)

MLLFVEQVASKGTGLNPNKVVWQEIAPGNTDTPVTHGTESSWHEIAATSGAHPEGNAELSEDICKEYEV
 MYSSSCETTRNTTGIESTDGMILGPEDLSYQIYDVSGESNSAVSTEDLKECLKKQLEFCFSRENLSKDL
 YLISQMDSDFIPIWTVANMEEIKLLTDPDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETT
 PIEEVKGLFKSENCPKVISCEFAHNSNWIYITFQSDTDAQQAFKYLREEVKTFFQGKPIMAPFPNGSFVNGF
 NSPGSYKTNAAAMNMRPFQKNRVKQFRSSGGSEHSTEGSVSLGDQLNRYSSRNFPAPERHNPTVTGHQ
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 SRMPGELVLENRMSDVVKGVYKEKDNEELTISCPVPADEQTECTSAQQLNMSTSSPCAAELTALSTTQQE
 KDLIEDSSVQKDGKLNQTTIPVSPSTTKPSRASTASPCNNNINAATAVALQEPRKLSYAEVCQKPPKEPS
 SVLVQPLRELRSNVVSPTKNEDNGAPENSVEKPHEKPEARASKDYSGFRGNIIPRGAAGKIREQRRQFSH
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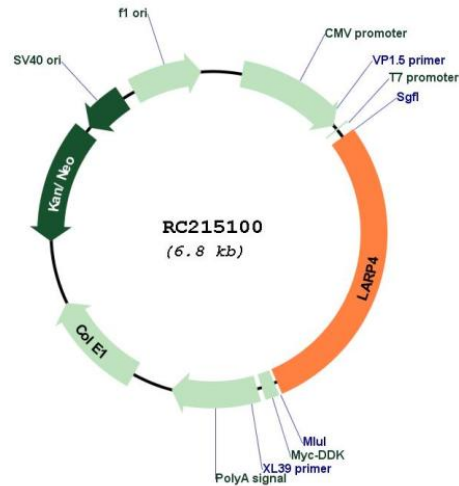
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_199190

ORF Size: 1959 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_199190.3](#)

RefSeq Size: 6323 bp

RefSeq ORF: 1962 bp

Locus ID: 113251

UniProt ID: [Q71RC2](#)

Cytogenetics: 12q13.12

Protein Families: Transcription Factors

MW: 72.4 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]