

Product datasheet for **RC230396**

LARP4 (NM_001170808) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP4 (NM_001170808) 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:

>RC230396 representing NM_001170808
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTTGCTTTTCGTGAGCAGGTAGCATCTAAAGAACTGGTTTAAATCCTAATGCCAAAGTATGGCAAG
AAATTGCTCCTGGAAATACTGATGCCACCCAGTAACTCATGAACTGAAAGCTCTTGGCATGAAATAGC
AGCTACATCAGGTGCTCATCCTGAGGGTAAATGCAGAGCTCTCAGAAGATATATGTAAAGAATATGAAGTA
ATGTATTCTTCATCTTGTGAAACCACAAGAAATACTACAGGCATTGAAGAATCAACTGATGGGATGATTT
TAGGACCAGAAGATCTGAGTTACCAATATATGATGTTTCCGGAGAAAGCAATTCAGCAGTTTCTACAGA
AGACCTAAAAGAATGTCTGAAGAAACAATTAGAATTCTGTTTTTTCACGAGAAAATTTGTCAAAGGATCTT
TACTTGATATCTCAAATGGATAGTGATCAGTTCATCCCAATTTGGACAGTTGCCAACATGGAAGAAATAA
AAAAGTTGACTACAGACCCTGATCTAATCTTGAAGTGTAAAGATCTTCTCCCATGGTACAAGTTGATGA
GAAGGGTGAGAAAGTGAGACCAAGTCATAAGCGTTGTATTGTAATTCTTAGAGAGATTCTGAAACAACA
CCAATAGAGGAAGTGAAAGGTTTGTTCAAAAGTAAAAGTGCCTCAAAAGTGATAAGCTGTGAGTTTGCCAC
ACAATAGCAACTGGTATATCACTTTCCAGTCAGACACAGATGCACAACAGGCTTTTAAATCTTAAGAGA
AGAAGTAAAACATTTCCAGGGCAAGCAATTATGGCAAGGATAAAAGCCATCAATACATTTTTTGCTAAG
AATGGTTATCGATTAATGGATTCTAGTATCTATAGTCACCCCATCAAACCAAGCAGATGCCTCCC
CAGTCTTTATGCAGCCTGTATATAATCCTCACCAACAGTACTCGGTCTATAGTATTGTGCCTCAGTCTTG
GTCTCAAATCCTACACCTTACTTTGAAACACCACTGGCTCCCTTTCCCAATGGTAGTGTGTGAATGGC
GGAGAACTCTCTCAGAGGTGCAAGACGACGAGAAGATGACAGGATCTCAAGACCTCATCCTTCAACAGC
TGAATCAAAGGCTCCAACACCAAAGTTTGACTTATTAGCCTCAAATTTTCCACCTTACCTGGAAGTTCA
TCAAGAATGCCAGGTGAACTCGTTTTGGAGAATAGGATGTCTGATGTTGTTAAAGGTGTCTACAAGAAA
AGGATAATGAAGAGTTGACAATTAGTTGCCAGTGCCTGCAGATGAGCAGACAGAATGCACTTCTGCCCA
GCAACTCAATATGAGTACCAGTTCTCCATGTGCTGCTGAGCTTACTGCATTAAGCACAACCTCAGCAAGAA
AAGGATCTAATAGAAGATTCCTCTGTTCCAGAAGGATGGTCTCAATCAGACAACCTATACCAGTTTCTCCTC
CAAGTACTACAAAGCCATCGAGGGCAAGTACTGCTTACCATGTAATAAACAATAAATGCAGCTACAGC
TGTGGCTCTACAGGAACCCGAAAGTTAAGTTATGCTGAAGTGTGCCAGAAGCCCTAAAGAGCCATCT
TCAGTTCTTGTGCAGCCACTACGGGAACCTCGCTCCAATGTGGTGTCTCCACCAAAAATGAAGACAATG
GAGCTCCTGAGAACTCCGTTGAGAAACCACATGAGAAGCCAGAAGCAAGGCTAGTAAGGATTATTCTGG
CTTCCGAGGCAATATAATCCCCAGGGGAGCAGCAGGAAAAATCAGGGAACAGAGACGCCAGTTTAGCCAT
AGGGCTATACCTCAGGGAGTGACTCGACGTAATGGCAAAGAGCAATATGTGCCACCCAGATCACCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230396 representing NM_001170808
Red=Cloning site Green=Tags(s)

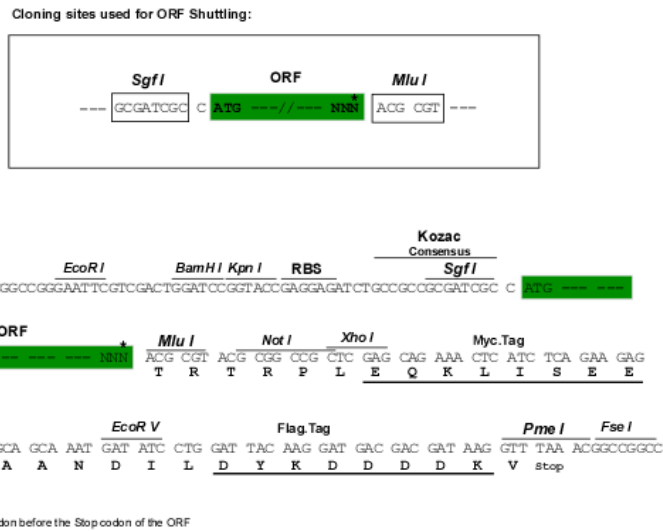
MLLFVEQVASKGTGLNPNAKVWQEIAPGNTPVTHGTESSWHEIAATSGAHPEGNAELSEDICKEYEV
 MYSSSCETTRNTTGIESTDGMILGPEDLSYQIYDVSGESNSAVSTEDLKECLKKQLEFCFSRENLSKDL
 YLISQMDSQDFIPIWTVANMEEIKLTTDPDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETT
 PIEEVKGLFKSENCPKVISCFAHNSNWYITFQSDTDAQQAFKYLREEVKTFFQGKPIMARIKAINTEFFAK
 NGYRLMDSIYSHPIQTQAQYASPVFMQPVYVNPVYHQQYSVYSIVPQSWSPNPTPYFETPLAPFPNGSFVNG
 FNSPGSYKTNAAAMNMGRPFQKNRRTLFRGRRRREDDRISRPHPSAESKAPTPKFDLLASNFPPLPGSS
 SRMPGELVLENRMSDVVKGVYKEKDNEELTISCPVPADEQTECTSAQQLNMSTSSPCAAELTALSTTQQE
 KDLIEDSSVQKDLNQTTIPVSPSTTKPSRASTASPCNINNAATAVALQEPRKLSYAEVCQKPKPKPS
 SVLVQPLRELRSNVVSPTKNEDNGAPENSVEKPKHEKPEARASKDYSGFRGNIIPRGAAGKIREQRRQFSH
 RAIPQGVTRRNGKEQYVPPRSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8071_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170808

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_001170808.1](#), [NP_001164279.1](#)

RefSeq ORF: 1962 bp

Locus ID: 113251

UniProt ID: [Q71RC2](#)

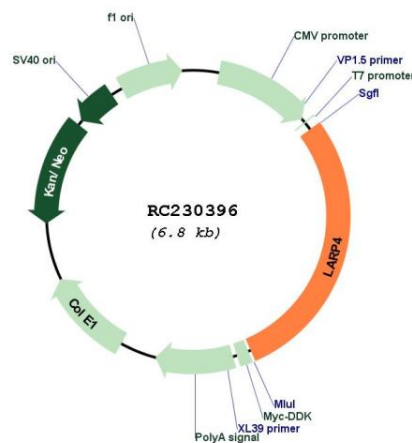
Cytogenetics: 12q13.12

Protein Families: Transcription Factors

MW: 73.2 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 RC230396