

Product datasheet for **RC230310**

LARP4 (NM_001170803) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP4 (NM_001170803) 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:

>RC230310 representing NM_001170803
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGCTTTTCGTGGAGCAGGTAGCATCTAAAGAACTGGTTTAAATCCTAATGCCAAAGTATGGCAAG
 AAATTGCTCCTGGAAATACTGATGCCACCCAGTAACTCATGGAAGCTTGGCATGAAATAGC
 AGCTACATCAGGTGCTCATCCTGAGGGTAAATGCAGAGCTCTCAGAAGATATATGTAAGAATATGAAGTA
 ATGTATTCTTCATCTTGTGAAACCAAGAATACTACAGGCATTGAAGAATCAACTGATGGGATGATTT
 TAGGACCAGAAGATCTGAGTTACCAATATATGATGTTTCCGGAGAAAGCAATTCAGCAGTTTCTACAGA
 AGACCTAAAAGAATGTCTGAAGAAACAATTAGAATTCTGTTTTTCCAGAGAAAATTTGTCAAAGGATCTT
 TACTTGATATCTCAAATGGATAGTGATCAGTTCATCCCAATTTGGACAGTTGCCAACATGGAAGAAATAA
 AAAAGTTGACTACAGACCCTGATCTAATCTTGAAGTGTAAAGATCTTCCCATGGTACAAGTTGATGA
 GAAGGGTGAGAAAGTGAGACCAAGTCATAAGCGTTGTATTGTAATTCTTAGAGAGATTCTGAAACAACA
 CCAATAGAGGAAGTGAAAGGTTTGTTCAAAAGTAAAAGTGCCTCAAAAGTGATAAGCTGTGAGTTTGAC
 ACAATAGCAACTGGTATATCACTTTCCAGTCAGACACAGATGCACAACAGGCTTTTAAATCTTAAGAGA
 AGAAGTTAAAACATTTACAGGGCAAGCAATTATGGCTCCCTTTCCAATGGTAGTTTTGTGAATGGCTTT
 AATTCGCCAGGATCTTATAAAACAAATGCTGCTGCTATGAATAAGGGTCGACCATTCAAAAAATCGGA
 GAACTCTCTTCAGAGGTCGAAGACGACGAGAAGATGACAGGATCTCAAGACCTCATCCTTCAACAGCTGA
 ATCAAAGGCTCCAACACCAAGTTTGTACTATTAGCCTCAAATTTCCACCTTACCTGGAAGTTTCACTCA
 AGAATGCCAGGTGAAGTCTGTTTGGAGAATAGGATGTCTGATGTTGTTAAAGGTGTCTACAAGAAAAGG
 ATAATGAAGAGTTGACAATTAGTTGCCAGTGCCTGCAGATGAGCAGACAGAATGCATTTCTGCCAGCA
 ACTCAATATGAGTACCAGTTCTCCATGTGCTGCTGAGCTTACTGCATTAAGCACAACTCAGCAAGAAAAG
 GATCTAATAGAAGATTCCTCTGTTCCAGAAGGATGGTCTCAATCAGACAACATATACCAGTTTCTCCTCCA
 GTACTACAAAGCCATCGAGGGCAAGTACTGCTTACCATGTAATAATAACATAAATGCAGCTACAGCTGT
 GGCTCTACAGGAACCCGAAAGTTAAGTTATGCTGAAGTGTGCCAGAAGCCCCCTAAAGAGCCATCTTCA
 GTTCTTGTGCAGCCACTACGGGAACTTCGCTCCAATGTGGTGTCTCCACCAAAAATGAAGACAATGGAG
 CTCCTGAGAACTCCGTTGAGAAACCACATGAGAAGCCAGAAGCAAGGGCTAGTAAGGATTATTCTGGCTT
 CCGAGGCAATATAATCCCAGGGGAGCAGCAGGAAAAATCAGGGAACAGAGACGCCAGTTTAGCCATAGG
 GCTATACCTCAGGGAGTGACTCGACGTAATGGCAAAGAGCAATATGTGCCACCCAGATCACCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230310 representing NM_001170803
 Red=Cloning site Green=Tags(s)

MLLFVEQVASKGTGLNPNKVVWQEIAPGNDDATPVTHGTESSWHEIAATSGAHPEGNAELSEDICKEYEV
 MYSSSCETTRNTTGEESTDGMILGPEDLSYQIYDVSGESNSAVSTEDLKECLKKQLEFCFSRENLSKDL
 YLISQMSDQFIPITVANMEEIKKLTDPDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETT
 PEEVVKGLFKSENCPKVISCEFAHNSNWIYITFQSDTDAQQAFKYLREEVKTQFKPIMAPFPNGSFVNGF
 NSPGSYKTNAAMNMGRPFQKNRRTLFRGRRRREDDRISRPHSTAESKAPTPKFDLLASNFPPLPGSSS
 RMPGELVLENRMSDVVKGVYKEKDNEELTISCPVPADEQTECTSAQQLNMSTSSPCAELTALSTTQOEK
 DLIEDSSVQKDLNQTIPVSPSTTKPSRASTASPCNNNINAATAVALQEPRKLSYAIEVCQKPPKEPSS
 VLVQPLRELRNSVVSPTKNEDNGAPENSVEKPHEKPEARASKDYSGFRGNIIPRGAAGKIREQRRQFSHR
 AIPQGVTRRNGKEQYVPPRSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8068_c11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001170803

ORF Size: 1746 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_001170803.2](#)

RefSeq ORF: 1749 bp

Locus ID: 113251

Cytogenetics: 12q13.12

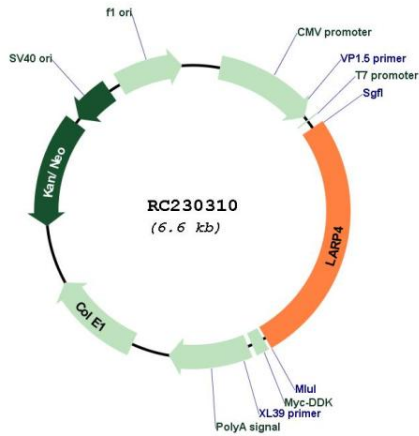
Protein Families: Transcription Factors

MW: 65 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 RC230310