

Product datasheet for **RG230093**

LARP4 (NM_001170804) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP4 (NM_001170804) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LARP4
Synonyms:	PP13296
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230093 representing NM_001170804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGCTTTTCGTGGAGCAGGTAGCATCTAAAGGAAGTGGTTTAAATCCTAATGCCAAAGTATGGCAAG
 AAATTGCTCCTGGAAATACTGATGCCACCCAGTAACTCATGGAAGTAAAGCTCTTGGCATGAAATAGC
 AGCTACATCAGGTGCTCATCCTGAGGGTAAATGCAGAGCTCTCAGAAGATATATGTAAAGAATATGAAGTA
 ATGTTATCTTCATCTTGTGAAACCACAAGAAATACTACAGGCATTGAAGAATCAACTGATGGGATGATTT
 TAGGACCAGAAGATCTGAGTTACCAATATATGATGTTTCCGGAGAAAGCAATTCAGCAGTTTCTACAGA
 AGACCTAAAAGAATGTCTGAAGAAACAATTAGAATTCTGTTTTTCCAGAGAAAATTTGTCAAAGGATCTT
 TACTTGATATCTCAAATGGATAGTGATCAGTTCATCCCAATTTGGACAGTTGCCAACATGGAAGAAATAA
 AAAAGTTGACTACAGACCCTGATCTAATCTTGAAGTGTAAAGATCTTCTCCCATGGTACAAGTTGATGA
 GAAGGGTGAGAAAGTGAGACCAAGTCATAAGCGTTGTATTGTAATTCTTAGAGAGATTCTGAAACAACA
 CCAATAGAGGAAGTGAAAGGTTTGTTCAAAAGTAAAAGTGCCTCCAAAGTGATAAGCTGTGAGTTTGCAC
 ACAATAGCAACTGGTATATCACTTTCCAGTCAGACACAGATGCACAACAGGCTTTTAAATCTTAAGAGA
 AGAAGTAAAAACATTTACGGGCAAGCAATTATGGCAAGGATAAAAGCCATCAATACATTTTTTGCTAAG
 AATGGTTATCGATTAATGGATTCTAGTATCTATAGTCACCCCATCAAACCAAGCAGATGCCTCCC
 CAGTCTTTATGCAGCCTGTATATAATCCTCACCAACAGTACTCGGTCTATAGTATTGTGCCTCAGTCTTG
 GTCTCAAATCCTACACCTTACTTTGAAACACCACTGGCTCCCTTTCCAATGGTAGTTTTGTGAATGGC
 TTTAATTCGCCAGGATCTTATAAAACAATGCTGCTGCTATGAATATGGGTCGACCATTCAAAAAATC
 GTGTGAAGCCTCAGTTTAGGTCATCTGGTTCAGAACAACCAACAGAGGGCTCTGTATCCTTGGGGGA
 TGGACAGTTGAACAGATATAGTTCAAGAACTTTCCAGCTGAACGGCATAAACCCACAGTAACTGGGCAT
 CAGGAGCAAACCTTACCTTCAAGAGAGACTTCCACTTTGCAGGTGGAACAGAATGGGGACTATGGTAGGG
 GCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230093 representing NM_001170804
 Red=Cloning site Green=Tags(s)

MLLFVEQVASKGTGLNPNKVVQEIAPGNTPVTHGTESSWHEIAATSGAHPEGNAELSEDICKEYEV
 MYSSSCETTRNTTGIESTDGMILGPEDLSYQIYDVSGESNSAVSTEDLKECLKKQLEFCFSRENLSKDL
 YLISQMSDQFIPWTVANMEEIKKLTDPDLILEVLRSSPMVQVDEKGEKVRPSHKRCIVILREIPETT
 PIEEVKGLFKSENCPKVISCEFAHNSNWYITFQSDTAQAFKYLREEVKTFQGKPIIMARIKAINFFAK
 NGYRLMDSIIYSHPIQTQAQYASPVFMQPVYNPHQQYSVYSIVPQSWSPNPTPYFETPLAPFPNGSFVNG
 FNSPGSYKTNAAMNMGRPFQKNRVKQFRSSGGSEHSTEGSVSLGDGQLNRYSSRNFP AERHNPVTG
 HEQYTLQKETSTLQVEQNGDYGRGR

TRTRPLE - GFP Tag - V

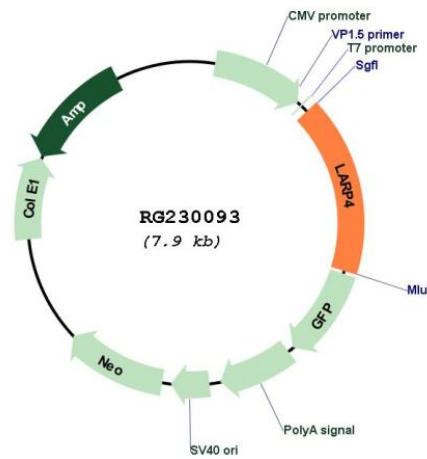
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001170804

ORF Size: 1335 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:	<ol style="list-style-type: none">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:	<u>NM_001170804.1</u> , <u>NP_001164275.1</u>
RefSeq Size:	1681 bp
RefSeq ORF:	1338 bp
Locus ID:	113251
Cytogenetics:	12q13.12
Protein Families:	Transcription Factors
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]