

Product datasheet for **RG230396**

LARP4 (NM_001170808) Human Tagged ORF Clone

Product data:

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

>RG230396 representing NM_001170808
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGCTTTTCGTGGAGCAGGTAGCATCTAAAGGAAGTGGTTAAATCCTAATGCCAAAGTATGGCAAG
 AAATTGCTCCTGGAAATACTGATGCCACCCAGTAAGTCATGGAAGTCTTGGCATGAAATAGC
 AGCTACATCAGGTGCTCATCCTGAGGTAATGCAGAGCTCTCAGAAGATATATGTAAGAATATGAAGTA
 ATGTATTCTTCATCTTGTGAAACCAAGAATACTACAGGCATTGAAGAATCAACTGATGGGATGATTT
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 ACAATAGCAACTGGTATATCACTTTCCAGTCAGACACAGATGCACAACAGGCTTTTAAATCTTAAGAGA
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 CAAGTACTACAAAGCCATCGAGGCAAGTACTGCTTACCATGTAATAATAACATAAATGCAGCTACAGC
 TGTGGCTCTACAGGAACCCGAAAGTTAAGTTATGCTGAAGTGTCCAGAAGCCCTTAAAGAGCCATCT
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 GAGCTCCTGAGAACTCCGTTGAGAAACCACATGAGAAGCCAGAAGCAAGGCTAGTAAGGATTATTCTGG
 CTTCCGAGGCAATATAATCCCCAGGGGAGCAGCAGGAAAAATCAGGGAACAGAGACGCCAGTTTAGCCAT
 AGGGCTATACCTCAGGGAGTGACTCGACGTAATGGCAAAGAGCAATATGTGCCACCCAGATCACCAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

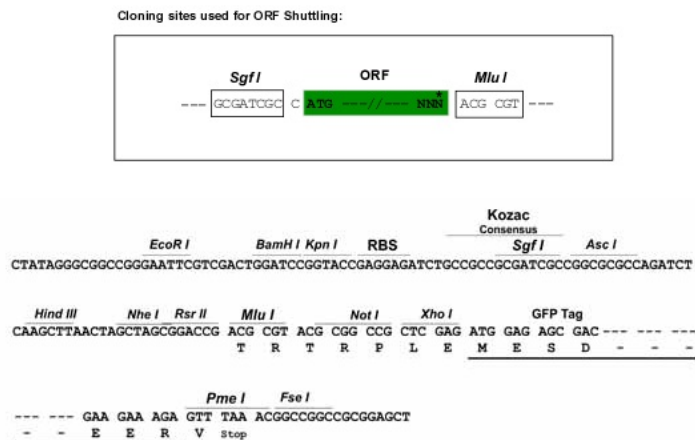
>RG230396 representing NM_001170808
 Red=Cloning site Green=Tags(s)

MLLFVEQVASKGTGLNPNAKVWQEIAPGNTDAPVTHGTESSWHEIAATSGAHPEGNAELSEDICKEYEV
 MYSSSCETTRNTTGIEESTDGMILGPEDLSYQIYDVSGESNSAVSTEDLKECLKKQLEFCFSRENLSKDL
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 NGYRLMDSSIYSHPIQTQAQYASPVFMQPVYNPHQQYSVYSIVPQSWSPNPTPYFETPLAPFPNGSFVNG
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 SVLVQPLRELRNVSPTKNEDNGAPENSVEKPHEKPEARASKDYSGFRGNIIPRGAAGKIREQRRQFSH
 RAIPQGVTRRNKEQYVPPRSPK

TRTRPLE – GFP Tag – V

Restriction Sites: Sgfl-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 Size: 6324 bp

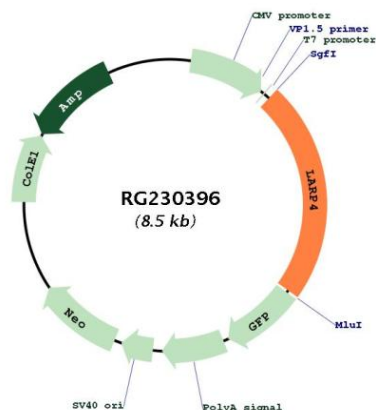
RefSeq ORF: 1962 bp

Locus ID: 113251

UniProt ID: Q71RC2

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]

Product images:



Circular map for RG230396