

## Product datasheet for **SC127235**

### LARP4 (NM\_199190) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LARP4 (NM_199190) Human Untagged Clone
Tag:	Tag Free
Symbol:	LARP4
Synonyms:	PP13296
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_199190, the custom clone sequence may differ by one or more nucleotides

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ATGTTGCTTTTCGTGGAGCAGGTAGCATCTAAAGGAAGTGGTTTAAATCCTAATGCCAAAGTATGGCAAG
AAATTGCTCCTGGAAATACTGATGCCACCCAGTAACTCATGGAAGCTCTTGGCATGAAATAGC
AGCTACATCAGGTGCTCATCCTGAGGGTAAATGCAGAGCTCTCAGAAGATATATGTAAGAATATGAAGTA
ATGTATTCCTCATCTTGTGAAACCAAGAATACTACAGGCATTGAAGAATCAACTGATGGGATGATTT
TAGGACCAAGAAGATCTGAGTTACCAAATATATGATGTTTCCGGAGAAAGCAATTCAGCAGTTTCTACAGA
AGACCTAAAAGAATGTCTGAAGAAACAATTAGAATTCTGTTTTTCCAGAGAAAATTTGTCAAAGGATCTT
TACTTGATATCTCAAATGGATAGTGATCAGTTCATCCCAATTTGGACAGTTGCCAACATGGAAGAAATAA
AAAAGTTGACTACAGACCCTGATCTAATCTTGAAGTGTAAAGATCTTCCCATGGTACAAGTTGATGA
GAAGGGTGAGAAAGTGAGACCAAGTCATAAGCGTTGTATTGTAATTCTTAGAGAGATTCTGAAACAACA
CCAATAGAGGAAGTGAAGGTTTGTTCAAAAGTAAAAGTGCACCAAGTATAAGCTGTGAGTTTGCAC
ACAATAGCAACTGGTATATCACTTCCAGTCAGACACAGATGCACAACAGGCTTTTAAACTTAAAGAGA
AGAAGTTAAAACATTTCCAGGGCAAGCCAATTATGGCTCCCTTTCCAATGGTAGTTTTGTAATGGCTTT
AATTCGCCAGGATCTTATAAAACAAATGCTGCTGCTATGAATATGGGTCGACCATTCCAAAAAATCGTG
TGAAGCCTCAGTTTAGGTCATCTGGTGGTTCAGAACACTCAACAGAGGGCTCTGTATCCTTGGGGATGG
ACAGTTGAACAGATATAGTTCAAGAACTTTCCAGCTGAACGGCATAACCCACAGTAACTGGGCATCAG
GAGCAAACCTTACCTTCAGAAGGAGACTTCCACTTTCAGGTGGAACAGAATGGGGACTATGGTAGGGCA
GGAGAACTCTCTCAGAGGTGGAAGACGACGAGAAGATGACAGGATCTCAAGACCTCATCCTTCAACAGC
TGAATCAAAGGCTCCAACACCAAGTTTGACTTATTAGCCTCAAATTTCCACCTTACCTGGAAGTTCA
TCAAGAATGCCAGGTGAACTCGTTTTGGAGAATAGGATGTCTGATGTTGTTAAAGTGTCTACAAAGAAA
AGGATAATGAAGAGTTGACAATTAGTTGCCAGTGCCTGCAGATGAGCAGACAGAATGCATTTCTGCCCA
GCAACTCAATATGAGTACCAGTTCTCCATGTGCTGCTGAGCTTACTGCATTAAGCACAACCTCAGCAAGAA
AAGGATCTAATAGAAGATTCTCTGTTCAGAAGGATGGTCTCAATCAGACAACCTATACCAGTTTCTCCTC
CAAGTACTACAAAGCCATCGAGGGCAAGTACTGCTTACCATGTAATAATAACATAAATGCAGCTACAGC
TGTGGCTCTACAGGAACCCGAAAGTTAAGTTATGCTGAAGTGTGCCAGAAGCCCTAAAGAGCCATCT
TCAGTTCTTGTGCAGCCACTACGGGAACCTCGCTCCAATGTGGTGTCTCCCAAAAAATGAAGACAATG
GAGCTCCTGAGAACTCCGTTGAGAAACCACATGAGAAGCCAGAAGCAAGGGCTAGTAAGGATTATCTGG
CTTCCGAGGCAATATAATCCCCAGGGGAGCAGCAGGAAAAATCAGGGAACAGAGACGCCAGTTTAGCCAT
AGGGCTATACCTCAGGGAGTGACTCGACGTAATGGCAAAGAGCAATATGTGCCACCCAGATACCAAAGT
AA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_199190 unedited

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TTGTATACGACTCATATAGGCGCNCGCGAATTCGCACGAGGCGAGTGTGTGCCTTATC
CTAGCAATTGGGGCGCGGCCTGTGAGCCAGTTGGAGTTGCGGGCGCGGAACGATTGGG
CTGAGCAGAGGACGACATGTTGCTTTTCGTGGAGGTAGCATCTAAAGGAAGTGGTTAAA
TCTAATGCCAAAGTATGGCAAGAAATTGCTCCTGGAATACTGATGCCACCCAGTAAC
TCATGGAAGTGAAGCTCTTGGCATGAAATAGCAGCTACATCAGGTGCTCATCCTGAGGG
TAATGCAGAGCTCTCAGAAGATATATGTAAGAATATGAAGTAATGTATTCTTCTCTTG
TGAAACCAAGAATACTACAGGCATTGAAGAATCAACTGATGGGATGATTTTAGGACC
AGAAGATCTGAGTTACCAAATATATGATGTTTCCGAAAGCAATTCAGCAGTTTCTACAGA
AGACCTAAAAGAATGTCTGAAGAAACAATTAGAATTCTGTTTTTCCAGAGAAAATTTGTC
AAAGGATCTTTACTTGATATCTCAAATGGATAGTGATCAGTTTCATCCCAATTTGGACAGT
TGCCAACATGGAAGAAATAAAAAAGTTGACTACAGACCCTGATCTAATTCTTGAAGTGT
AAGATCTTCTCCCATGGTACAAGTTGATGAGAAGGGTGAGAAAGTGAAGCAAGTCAATA
GCGTTGTATTGTAATTCTTAGAGAGATTCTGANNACACCAATAGAGGAAGTGAAGG
TTTGTTCANAAGTGAAGTGCACCAAGTATNAGCTGTGNAGTTGCACACATAGNCACT
GGTATATCACTTCCAGTCAGACACAGATGCACACAGCTTTTACTTAA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_199190 unedited TACTATGNACGGCCGCTTTCTANNAGTCGGTTTTTTTTTTTTTTTTTTGCTTTTAAAT AATTTTATTTTTTTCTAATTTTGTTAATTTCCCATAGCACCTTGGCGATGTTGAAAACA AATACAAATACAAGGATGTACTCATTTTAAATTTTATGCATGAGCATGTGTCACACCAA TTTTGGGGTAACAGTTTTGACAACAGGAACAAATCTAAGCAATCGACAAAACAGAAGCC GGATAACTGGCTCTGACCCCAACATTTAAGAGATGCAAAGGACACCTGAATTA GGTTAAAAAATCAAGTTGATATGGATATTTCAACAGTGTCTGTGCTGCAAAACTGAAA ATAAAACCATTTAATACACAGCCATTAATATCTGAGTTACGCTTTTAGGAACTGTCAAC TCGAAGATTTCATAAAAAGTTGTGACGCTTTTAAAAATAAACTTTAAGTTATCTAATAATCA GGTGAATTTCAAAGGAGGATTTACTCACAACCTGAAAATAAATCTCTTTCAACTCTTA AAATATCCTCATTAGCTAATGAAAAGGAAACATATATGTATCTTTTCGGAAGCTCAGA CTAGCATATGCCAAAAGCCTAAAGTTAAATTAATGGCCACAAAATTGTAAGGAAATAT AAAAAATTAGGAAAAATCCATCATATATTATAGTTAATAATTTATAAAAGCCCCTCAGA AGGATACACTGTTCTCTTTGAGTTTTATCTTTCTGTANAAACAAAATTGGTACTTTTA AATATGGTTAAATATATATTGCCAGCCTAAATACCAGAGACTTAACCCAGTGTGTTTAC TGTGTCAAAGTAAACAGTGGACATCTAGCCACGAGATAATTTAGCCATAACTAAANA CTAGAGAGAGTCATTACTTTTATACTATTTACGTTTCG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_199190
<b>Insert Size:</b>	6930 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_199190.1</a></u> , <u><a href="#">NP_954660.1</a></u>
<b>RefSeq Size:</b>	6323 bp
<b>RefSeq ORF:</b>	1962 bp
<b>Locus ID:</b>	113251
<b>UniProt ID:</b>	<u><a href="#">Q71RC2</a></u>
<b>Cytogenetics:</b>	12q13.12
<b>Protein Families:</b>	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]

Transcript Variant: This variant (3) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform c), compared to isoform a.