

Product datasheet for **SC126851**

LARP2 (LARP1B) (NM_032239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP2 (LARP1B) (NM_032239) Human Untagged Clone
Tag:	Tag Free
Symbol:	LARP2
Synonyms:	LARP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126851 sequence for NM_032239 edited (data generated by NextGen Sequencing)

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ATGGAGAATTGGCCAACACCAAGTGAATTAGTGAACACTGGATTTTCAGAGCGTCCTCAGC
CAAGGAAATAAAAAGCCACAAAATAGAAAAGAAAAGAAGAGAAGGTTGAAAAGAGAAGT
AACAGTGACAGCAAAGAAAACCGGAAACAAAATTAATGGTCCTGGTAAAACGTCAGT
GAGGATGAGGCTCAGTCAAGTAATCAACGTAAGAGAGCTAATAAGCACAAGTGGGTACCA
CTCCACTTAGATGTTGTAAGATCAGAGAGTCAAGAAAAGACCTGGATCCCGGAACAGCTCA
AGATGTCAACCTGAAGCAAATAAACCAACACATAACAATAGGAGAAATGATACACGAAGT
TGAAGCGAGATAGAGAAAAAGAGATGATCAAGATGACGTTTCCAGTGTGAGAAGTGAG
GGTGGTAATATCCGAGGTTCTTTAGAGGTCGAGGAAGAGGCCGAGGACGGGGAAGAGGA
CGAGGCAGAGGAAATCCTCGATTGAACTTTGATTATTCATATGGTTATCAAGAACATGGT
GAAAGGACTGATCAACCATTTCAAACAGAACTTAATACAGTATGATGTATTACTATGAT
GATGGTACAGGTGTACAGGTGTATCCTGTGGAAGAAGCGTTGCTTAAAGAGTATATTAAG
CGTCAAATTGAATATTACTTCAGTGTAGAAAATTTGGAACGAGACTTCTTTCTTCGGGGA
AAGATGGATGAACAAGGTTTCTTGCCTATTTCCCTGATTGCTGGTTTTTCAGCGTGTTCAG
GCTCTCACTACAAACCTTAATCTCATCTTAGAGGCACTGAAGGATAGCACAGAAGTAGAA
ATTGTGGATGAGAAAATGAGAAAAAGATAGAACCAGAAAATGGCCAATTCAGGCCCT
CCTCCACGCAGTGTGCCACCAACAGACTTCTCTCAACTGATTGATTGTCCAGAGTTTGTA
CCAGGCCAAGCCTTTTGTCTCACATACAGGTAACATCTTTTCTTCTAGAGCAAACGATGTA
ACAGTGGGTTATTTGGTCCAATTTACTTACTTATTTATTTATTTTCAGTTTATTTAG
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Clone variation with respect to NM_032239.2
384 g=>a;639 a=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032239 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGGCACGAGGAAGGGAAATCCCTG
 GACCAAAAAGCCTCCCCAGCACCTGTCCCAGACACGACAGGTCCGCCACCGCCCCGCT
 GGA AACCTGGAGGCAGAATTCCGTTCCCTCAAATTATAAAAGCAGGAAAGCTCAAGAC
 AAAGAAATCCAACAAGGCTAGTGATTTTCAGTGATATGGAGAATTGGCCAACACCAAGTGA
 ATTAGTGAACACTGGATTTTCAGAGCGTCCTCAGCCAAGGAAATAAAAAGCCACAAAATAG
 AAAAGAAAAAGAAGAGAAGGTTGAAAAGAGAAGTAACAGTGACAGCAAAGAAAACCGGGA
 AACAAAATTAAATGGTCCTGGTGAACAGTCAGTGAGGATGAGGCTCAGTCAAGTAATCA
 ACGTAAGAGAGCTAATAAGCACAAAGTGGGTACCACTCCACTTAGATGTTGTAAGATCAGA
 GAGTCAAGAAAGACCTGGATCCCGGAACAGCTCAAGATGTCAACCTGAAGCANATAAAC
 CACACATTNACATAGGAGAAATGATACACGAAGTTGGAANGCGNNGATNAGGAAAAAGAG
 ATGTTCCGGATGGACGTTTCCAAGGGGAAAAAGGAGGGTGGGTATATCCCCGGGGTCT
 TTTAAGAGTCCAGGAAAAGCCCCGGGGCCGGGAAAAGACCCAGGCCAGGAAAATCC
 CGCCAGGGAACCTTTGTAATTTTCTTTGGGGTTTAAAAAAGGGGGGAAGGGTTTGT
 CCCCTCTTTAAAAAAAATTTTACCCCGTGGGGGTTTTCTTCATATATATGGCC
 CGGGGCCCCCGTTTTTCCCGGAGAAAAAAAACCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032239 unedited
 GACCGGGCGCCGAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTGATTTTATTCTTATA
 ATTTTATTAGTATGCATAAATGGTTAATGGACAGGCATTACCAACTTGACTGACCTATCT
 TACCTACCCTGCAGAGAAAGTATATGCTATTTTATCTAACTTACCAATGCCTTGTGAAC
 CCAATGTTCATAAGCTAGCTAAACTATCATCTTGGACCAAGTTGATATCATAAATAAA
 TCTAACTTATATAATCACCCATTATATCTTAACAAAAATAAATTA AAAACCACTAGCTA
 AAATAATGTCACCTCTTTCAGCTTTTAAAATGCCTGTCCAAGTTGCTTACTGGGATTAG
 AAGCAGAAGGCTGACAAAGAAACATATGATAAAAAATAGTGTGAGACTGTCCATCATCGAT
 GCTTTGTTGATGGGACGTCCTCTCATACTGATGTATCAAAAAACATTTTGAAGAGTAA
 GGAAGAAATAACCTCATCCAGTTCTTAAATTCCTTACCCCTTAAGTGACCACATTAATAA
 GTCTTATGTCCAAGTGAAACATCATGACAATATCTGAGTTTTACAATGTACACTACACTG
 AAAGGCAATCGAATAGCAAAGTACTTAAGAATCTGGGAAATGCTACTCAATCCCCTCTT
 TTTCTGCTTTATTCATCTGGACACAAGTACATAANCCCTGGGAACAGAAAAACATAATCTT
 GCGGTATTTCCAGAATAATAATAAATAACTTTCCACCATGAATAAAAGCAGCCCATGCA
 GCCCAGGCCAATTACACAGAAATAGGCAGCTCCTATAAAAAGATAACAGTCTCTGGTCT
 GTCTCTATTATCGAAAGGTGTTAATCTCCCTGCAGTGTGGCCCAACTCTCCACCAGA
 GTGGGATAGAATTCTGAACAAAGACAGTTGACGCTTCATTTTGCACAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_032239

Insert Size:

2770 bp

OTI Disclaimer:

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).

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_032239.2](#), [NP_115615.2](#)

RefSeq Size: 2718 bp

RefSeq ORF: 1077 bp

Locus ID: 55132

UniProt ID: [Q659C4](#)

Cytogenetics: 4q28.2

Domains: DM15

Gene Summary: This gene encodes a protein containing domains found in the La related protein of *Drosophila melanogaster*. La motif-containing proteins are thought to be RNA-binding proteins, where the La motif and adjacent amino acids fold into an RNA recognition motif. The La motif is also found in proteins unrelated to the La protein. Alternative splicing has been observed at this locus and multiple variants, encoding distinct isoforms, are described. Additional splice variation has been identified but the full-length nature of these transcripts has not been determined. [provided by RefSeq, Jun 2013]

Transcript Variant: This variant (3) lacks several exons and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform 3 which is much shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.