

Product datasheet for **SC119511**

RPLP2 (NM_001004) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPLP2 (NM_001004) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPLP2
Synonyms:	D11S2243E; LP2; P2; RPP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119511 sequence for NM_001004 edited (data generated by NextGen Sequencing) ATGCGCTACGTCGCCTCCTACCTGCTGGCTGCCCTAGGGGGCAACTCCTCCCCAGCGCC AAGGACATCAAGAAGATCTTGGACAGCGTGGGTATCGAGGCGGACGACGACCGGCTCAAC AAGGTTATCAGTGAGCTGAATGGAAAAACATTGAAGACGTCATTGCCAGGGTATTGGC AAGCTTGCCAGTGACTGCTGGTGGGGCTGTAGCCGCTCTGCTGCCAGGCTCTGCA GCCCTGCTGCTGGTTCTGCCCTGCTGCAGCAGAGGAGAAGAAAGATGAGAAGAAGGAG GAGTCTGAAGAGTCAGATGATGACATGGGATTTGGCCTTTTTGATTAA

Clone variation with respect to NM_001004.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001004 unedited</p> <pre>AAGGTGCACATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGCCACCG AGGTGCGCACGCGTGAGACTTCTCCGCCGCTCCGCCGACAGCCGCCGCGATGCGCTAC GTCGCCTCTACCTGCTGGCTGCCCTAGGGGGCAACTCTCCCCAGCGCCAAGGACATC AAGAAGATCTTGGACAGCGTGGGTATCGAGGCGGACGACGACCGGCTCAACAAGTTATC AGTGAGCTGAATGAAAAAACATTGAAGACGTCATTGCCCAGGGTATTGGCAAGCTTGCC AGTGACTTCTGCCCTGCTGCAGCAGAGGAGAAGAAAGATGAGAAGAAGGAGGAGTCTGAA GAGTCAGATGATGACATGGGATTTGGCCTTTTTGATTAATTCCTGCTCCCCTGCAAATA AAGCCTTTTTACACATCTAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCG CGGTCATAGCTGTTTCTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCCAGTGC CTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTA GTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAATATTATGGGTGGAGGGGGGGGG GATGGGACCCAGGGCGCAACCTGTCCAACAATCCGTAAGTCCC GCCGANCTTAACCG GTACCCCCAGCTTCCGAATGGCACTAAATATAAACCACACACGAACCCCGCCACCT GACCAACATCCCTAACTCTCCACCATCAACCCAAAATATTACCAACCACACACAACCC AACAAAAAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001004 unedited</p> <pre>AAAACCTAGCTCTGNACCGCGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTT TTAGATGGGTA AAAAGGCTTTATTTGCAGGGGAGCAGGAATTTAATCAAAAAGGCCAAAT CCCATGTCATCATCTGACTCTTCAGACTCCTCCTTCTTCTCATCTTTCTTCTCCTCTGCT GCAGCAGGGGCAGAACCCAGCAGCAGGGGCTGCAGAGCCTGGGGCAGCAGAGACGGCTACA GCCCCACCAGCAGGTACTGGCAAGCTTGCCAATACCCTGGGCAATGACGTCTTCAATG TTTTTCCATTAGCTCACTGATAACCTTGTTGAGCCGGTCGTCGTCGCCTCGATACCC ACGCTGTCCAAGATCTTCTTGATGTCCTTGGCGCTGGGGGAGGAGTTGCCCCCTAGGGCA GCCAGCAGGTAGGAGGCGACGTAGCGCATCGCGGCGGCGTCTGCGGGCGGAGGCGGGGAA AAGTCTCACGCGTGCGACCTCGGTGGCCCTCGTGCCGAATTCGCGGCCGCCCTATAGTGA GTCGTATTACAAAATCTGACGGTTCACATAACGAGCTGCTTATATAGACCTCCACCC GTACACGCTACCGNCCATTTGCGTCAACGGGGGGGGTTATTACGACATTTTGGAAAGT CCCGTTGATTNTGGTGCCAAAACAAACTCCCATTGACGTCAATGGGGTGGAGACTTGAA ATCCCCGTGAGTCAAACCGCTATCCACGCCATTGGTGTACTGGCCAAACCGCATCACCA TGGGTATAGCGATGACTAATACGTANATGTA CTGCCAGTAAGAAAGTCCCGTAAGGTCA TGTA CTGGGCATAATGCCAGCGGCCATTTACCGTCATTGACGTCATAAGGGGCGGACTG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001004
Insert Size:	470 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_001004.2](#), [NP_000995.1](#)

RefSeq Size: 482 bp

RefSeq ORF: 348 bp

Locus ID: 6181

UniProt ID: [P05387](#)

Cytogenetics: 11p15.5

Domains: 60s_ribosomal

Protein Families: Druggable Genome

Protein Pathways: Ribosome

Gene Summary: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal phosphoprotein that is a component of the 60S subunit. The protein, which is a functional equivalent of the E. coli L7/L12 ribosomal protein, belongs to the L12P family of ribosomal proteins. It plays an important role in the elongation step of protein synthesis. Unlike most ribosomal proteins, which are basic, the encoded protein is acidic. Its C-terminal end is nearly identical to the C-terminal ends of the ribosomal phosphoproteins P0 and P1. The P2 protein can interact with P0 and P1 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]