

Product datasheet for SC116522

RNA terminal phosphate cyclase like 1 (RCL1) (NM_005772) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNA terminal phosphate cyclase like 1 (RCL1) (NM_005772) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNA terminal phosphate cyclase like 1
Synonyms:	RNAC; RPCL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116522 sequence for NM_005772 edited (data generated by NextGen Sequencing)

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ATGGCGACTCAGGCGCACTCCCTCAGCTACGCAGGGTGCAACTTCTTGCGCCAACGTCTG
GTCTGTCTACCTGAGCGGGCGCCCCGTCAAAATCCGAAAGATTCGGGCCAGAGACGAC
AACCCGGGCTCCGAGATTTTGAAGCCAGCTTCATAAGGCTATTGGACAAAATAACGAAT
GGTTCTCGAATTGAAATAAACAAAACAGGAACAACCTTATATTATCAGCCTGGCCTCCTG
TATGGTGGATCTGTGGAACATGACTGTAGCGTCCTTCGTGGCATTGGGTATTACCTGGAG
AGTCTTCTTTGCTTGGCTCCATTTATGAAGCACCCGTTAAAAATAGTTCTACGAGGAGTG
ACCAATGATCAGGTTGACCCCTTCAGTTGATGTTCTTAAGGCAACAGCACTCCCTTTGTTG
AAACAATTTGGGATTGATGGTGAATCATTGAACTGAAGATTGTGCGACGGGGAATGCCT
CCCGGAGGAGGAGCGAAGTGGTTTTCTCATGTCCTGTGAGGAAGTCTTGAAGCCATT
CAACTCACAGATCCAGGAAAAATCAAACGTATTAGAGGAATGGCGTACTCTGTACGTGTG
TCACCTCAGATGGCGAACCGGATTGTGGATTCTGCAAGGAGCATCCTCAACAAGTTCATA
CCTGATATCTATTTACACAGATCACATGAAAGGAGTCAACTCTGGGAAGTCTCCGGGC
TTTGGGTTGTCACTGGTTGCTGAGACCACAGTGGCACCTTCTCAGTGTGAACTGGCC
TCCAACCCAGGGCCAGGGAGCAGCAGTACTTCCAGAGGACCTTGGCAGGAACTGTGCC
CGGCTGCTGTGGAGGAAATCTACAGGGGTGGATGCGTAGACTCGACCAACCAAGCCTG
GCGCTACTACTCATGACCCTTGGACAGCAGGATGTTTCCAAGTCTGCTAGGCCCTCTC
TCTCCCTACACGATAGAATTTTTGCGGCATTTGAAGAGCTTTTTCCAGATTATGTTTAAA
ATTGAAACCAAGCCATGTGGTGAAGAAGTCAAGGGTGGGGATAAAGTGCTGATGACCTGT
GTTGGCATTGTTTTCTCAACCTTAGCAAGACCCTCAAGTGA

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Clone variation with respect to NM_005772.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005772 unedited CAGAAATTTGGTATACGACTCACTATAGGGCGGCNCGCGATTTCGGCACGAGGCAGCCCGA GCCGCGCGCTCGGTGTCGCCGCCACCACCACCATCGGAGTCACGAGTCCCAGCTGTCTGTC CGAAGTCGCCGCTCTCGGGCTGCTACGTCTCTTCGGAGAGCGCGCACATGGCGACTCAG GCGCACTCCCTCAGCTACGCAGGTGCAACTTCTTGCGCCAACGTCTGGTCTGTCTACC CTGAGCGGGCGCCCCGTCAAAATCCGAAAGATTGGGCCAGAGACGACAACCCGGGCCCTC CGAGATTTTGAAGCCAGCTTATAAGGCTATTGGACAAAATAACGAATGGTTCTCGAATT GAAATAAACCAAAACAGGAACAACCTTATATTATCAGCCTGGCCTCCTGTATGGTGGATCT GTGGAACATGACTGTAGCGTCTTCGTGGCATTGGGTATTACCTGGAGAGTCTTCTTTGC TTGGCTCCATTTATGAAGCACCCGTTAAAAATAGTTCTACGAGGAGTGACCAATGATCAG GTTGACCTTCAGTTGATGTTCTTAAGGCAACAGCACTCCCTTTGTTGAAACAATTTGGG ATTGATGGTGAATCATTGAAGTGAAGATTGTGCGACGGGGAATGCCTCCCGGAGGAGGA GGCGGAAGTGGTTTTCTCATGCTCTGNAGGAANNGTCTTGAAGCCATTCAACTCACAG ATCCAGGANAATCANACGATTANAGGNAATGGCGTACTCTGTNACGTGTGTCACCTCAGA GGCGAACCGAATGGTGGATTCTGCAGGGAGCATCTCACAGTTCATACCTGATTCTTATTT ACACGATCCATGGAAAGAGCACTTTTGGGAAGCTCGCCTTTTGGGGTTGGCACTGGGTGC TGAACCACAGTGACCTTCTCATGGCTGACTGGCTCAACCCAGCCAGGGGACAGAGAC TT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005772 unedited CGCGCGGGGCNNAACGCNCCCCCGCTCTCCCNNGGTNNGTGTGGTGNCCGCGGACC CGCATTTTAGGANCNATNTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTAAA GGAGGAAATTAAGTCTTTACATTATACATTTCAAAGGAACAAAACACCCTTTTAGAATT TTCTCATGGGAGATAGCACTTACATCACAGAGCTATTGGGAAAATAAAATAAAAACGTAC AGCACACCTGGAATATAAAAACATTCCATTAACCTTACTTGGAGCCCCGACCCATCCATC CCTCACATATAAATAACAATGAACCAGATGAAAATCCGTGTCCGTGTCCATGACAGCAATC CTTTCAGAAGATCAAAGATAAATAGTCTAATACACCAATTTCTGACATTTGCTTACCACT GCAGGACTCATGAAAAGCTGCCACTCATATTATCTCATTTAATCCCTACAACAAAACCA AGGCTCAAGGAGGTGAGTCTTGCAGAAAGAACAGTACCAGACTCCACAGGTTTGCAAAA CAGCCATATGACAGAGGGCTGAGGAAGCCTATGATAGTAGGCTGAGGAAGCACAGCTGAA CTCGAGCTACAAAACCTGTTCTAACACCACAACCTGTGGCCTGAAGGCACATTCTTCTCCA GGTAAGGCAAGGGAGCTCTTATGGTACTGGGCCCTCCGGGGCAATGGCAATGCCACTG GAAAAACAGCTGAAAACCATATGCTACAGGAGAGCCTTTTATTTGAAAATTGGAATTT CTTTCCAGAAAAATAACCAAGGGCTATTCTGCCCTGGAAAAACCACTTGGACTTGGCC CCAATGGTGGCCCGGGCAACTTTTGTGGCTTGTAGGCTCGGGGCTTAACCTGGGG AAGGTAATCACTTGGAGTCTGGCAAGGGTGGGAAACCAAGCCCAACAAGGGCCATAA CCCTTTTCCCCCCCCCTTGAGTTCTTACCCCAATGGCTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005772
Insert Size:	2100 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:	<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_005772.2, NP_005763.2</u>
RefSeq Size:	2064 bp
RefSeq ORF:	1122 bp
Locus ID:	10171
UniProt ID:	<u>Q9Y2P8</u>
Cytogenetics:	9p24.1
Domains:	RTC
Gene Summary:	<p>Does not have cyclase activity. Plays a role in 40S-ribosomal-subunit biogenesis in the early pre-rRNA processing steps at sites A0, A1 and A2 that are required for proper maturation of the 18S RNA (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>