

Product datasheet for **SC320635**

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

Product data:

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| 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: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene sequence for NM_005772.2
TCCAAACCACGTGGACGCGTCTGGGCTGCTGGAGGCAGCCCGAGCCGCCCGCTCGGTGT
CGCCGCCACCACCACCATCGGAGTCACGAGTCCC GCGTCTGTCCGAAGTCGCCGCTCTCG
GGCTGCTCACGTCTCTTCGGAGAGCGCGCACATGGCGACTCAGGCGCACTCCCTCAGCTA
CGCAGGGTGCAACTTCTTGCGCCAACGTCTGGTCTGTCTACCCTGAGCGGGCGCCCGT
CAAAATCCGAAAGATTCCGGCCAGAGACGACAACCCGGGCTCCGAGATTTTGAAGCCAG
CTTCATAAGGCTATTGGACAAAAAACGAATGGTTCTCGAATTGAAATAAACCAACAGG
AACAACTTATATTATCAGCCTGGCCTCCTGTATGGTGGATCTGTGGAACATGACTGTAG
CGTCTTCGTGGCATTGGGTATTACCTGGAGAGTCTTCTTTGCTTGGCTCCATTTATGAA
GCACCCGTTAAAAATAGTTCTACGAGGAGTGACCAATGATCAGGTTGACCCTTCAGTTGA
TGTTCTTAAGGCAACAGCACTCCCTTTGTTGAAACAATTTGGGATTGATGGTGAATCATT
TGAAGTGAAGATTGTGCGACGGGAATGCCTCCCGGAGGAGGAGCGAAGTGGTTTTCTC
ATGTCCTGTGAGGAAGTCTTGAAGCCATTCAACTCACAGATCCAGGAAAAATCAAACG
TATTAGAGGAATGGCGTACTCTGTACGTGTGTACCTCAGATGGCGAACCGGATTGTGGA
TTCTGCAAGGAGCATCCTCAACAAGTTCATACCTGATATCTATTTACACAGATCACAT
GAAAGGAGTCAACTCTGGGAAGTCTCCGGGCTTTGGGTTGCTCACTGGTTGCTGAGACCAC
CAGTGGCACCTTCTCAGTGTGAACTGGCCTCCAACCCCGAGGCGCAGGAGCAGCAGT
ACTTCCAGAGGACCTTGGCAGGAAGTGTGCCCGGCTGCTGCTGGAGGAAATCTACAGGGG
TGGATGCGTAGACTCGACCAACCAAGCCTGGCGCTACTACTCATGACCCTTGGACAGCA
GGATGTTTCCAAAGTCTGCTAGGCCCTCTCTCCCTACAGATAGAATTTTTGCGGCA
TTTTGAAGAGCTTTTTCCAGATTATGTTTAAAATTGAAACCAAGCCATGTGGTGAAGAAT
CAAGGGTGGGATAAAGTGTGATGACCTGTGTTGGCATTGGTTTCTCCAACCTTAGCAA
GACCCTCAAGTGATAACCATCACAAGATAAGGCCCCAGTGCCTACAGACAAAGCAGAAGC
TGCCACGGACACCAATGGGACCAAGTCCAATGGATTAATCCAGGACAGAATAGCCACTT
GCTTAATTTTCTGTGAAGAAATAGCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire



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| ACCN: | NM_005772 |
| 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). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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</u> , <u>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> |