

## Product datasheet for **SC320919**

### RPLP0 (NM\_001002) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPLP0 (NM\_001002) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RPLP0  
**Synonyms:** L10E; LP0; P0; PRLP0; RPP0  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001002.3  
GGACGAGGGTGGAAAGTGACATCGTCTTTAAACCCTGCGTGCCAATCCCTGACGCACCGCC  
GTGATGCCAGGGAAGACAGGGCGACCTGGAAGTCCAACACTTCCCTAAGATCATCCAA  
CTATTGGATGATTATCCGAAATGTTTCATTGTGGGAGCAGACAATGTGGGCTCCAAGCAG  
ATGCAGCAGATCCGCATGTCCCTTCGCGGGAAGGCTGTGGTGCTGATGGGCAAGAACACC  
ATGATGCGCAAGGCCATCCGAGGGCACCTGAAAAACAACCAGCTCTGGAGAAACTGCTG  
CCTCATATCCGGGGGAATGTGGGCTTTGTGTTACCAAGGAGGACCTCACTGAGATCAGG  
GACATGTTGTGGCCAATAAGGTGCCAGCTGCTGCCCGTGTGGTGCCATTGCCCATGT  
GAAGTCACTGTGCCAGCCAGAACACTGGTCTCGGGCCCGAGAAGACCTCCTTTTCCAG  
GCTTTAGGTATCACCCTAAAATCTCCAGGGCACCATTGAAATCCTGAGTGATGTGCAG  
CTGATCAAGACTGGAGACAAAGTGGGAGCCAGCGAAGCCACGCTGCTGAACATGCTCAAC  
ATCTCCCCCTTCTCCTTTGGGCTGGTCATCCAGCAGGTGTTGACAATGGCAGCATCTAC  
AACCTGAAGTGCTTGATATCACAGAGGAACTCTGCATTCTCGCTTCCTGGAGGGTGTC  
CGCAATGTTGCCAGTGTCTGTCTGCAGATTGGCTACCCAACCTGTTGCATCAGTACCCAT  
TCTATCATCAACGGGTACAAACGAGTCCTGGCCTTGCTGTGGAGACGGATTACACCTTC  
CCAATTGCTGAAAAGGTCAAGGCCTTCTGGCTGATCCATCTGCCTTTGTGGCTGCTGCC  
CCTGTGGCTGCTGCCACCACAGCTGCTCCTGCTGCTGCTGCAGCCCAGCTAAGGTTGAA  
GCCAAGGAAGAGTCGGAGGAGTCGGACGAGGATATGGGATTTGGTCTCTTTGACTAATCA  
CCAAAAAGCAACCAACTTAGCCAGTTTTATTTGCAAAAACAAGGAAATAAAGGCTTACTTC  
TTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001002



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<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>OTI Annotation:</b>	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.
<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>	<a href="#">NM_001002.3</a> , <a href="#">NP_000993.1</a>
<b>RefSeq Size:</b>	1229 bp
<b>RefSeq ORF:</b>	954 bp
<b>Locus ID:</b>	6175
<b>UniProt ID:</b>	<a href="#">P05388</a>
<b>Cytogenetics:</b>	12q24.23
<b>Domains:</b>	Ribosomal_L10, 60s_ribosomal
<b>Protein Pathways:</b>	Ribosome
<b>Gene Summary:</b>	<p>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 protein that is a component of the 60S subunit. The protein, which is the functional equivalent of the E. coli L10 ribosomal protein, belongs to the L10P family of ribosomal proteins. It is a neutral phosphoprotein with a C-terminal end that is nearly identical to the C-terminal ends of the acidic ribosomal phosphoproteins P1 and P2. The P0 protein can interact with P1 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. Transcript variants derived from alternative splicing exist; they encode the same protein. 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]</p> <p>Transcript Variant: This variant (1) is the predominant transcript. It has a different 5' UTR than variant 2. They encode the same protein.</p>