

Product datasheet for **SC120209**

RPLP0 (NM_053275) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPLP0 (NM_053275) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPLP0
Synonyms:	L10E; LP0; P0; PRLP0; RPP0
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120209 sequence for NM_053275 edited (data generated by NextGen Sequencing)

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ATGCCCAGGGAAGACAGGGCGACCTGGAAGTCCAACACTTTCCTTAAGATCATCCAAC  
TTGGATGATTATCCGAAATGTTTCATTGTGGGAGCAGACAATGTGGGCTCCAAGCAGATG  
CAGCAGATCCGCATGTCCCTTCGCGGGAAGGCTGTGGTGCTGATGGCAAGAACCATG  
ATGCGCAAGGCCATCCGAGGGCACCTGGAACAACCCAGCTCTGGAGAACTGCTGCCT  
CATATCCGGGGAATGTGGGCTTTGTGTTACCAAGGAGGACCTCACTGAGATCAGGGAC  
ATGTTGCTGGCCAATAAGGTGCCAGCTGCTGCCCGTGCTGGTGCCATTGCCCCATGTGAA  
GTCAGTGTGCCAGCCAGAACACTGGTCTCGGGCCGAGAAGACCTCCTTTTTCCAGGCT  
TTAGGTATCACCCTAAAATCTCCAGGGGCACCATTGAAATCCTGAGTGTGTGCAGCTG  
ATCAAGACTGGAGACAAAGTGGGAGCCAGCGAAGCCACGCTGCTGAACATGCTCAACATC  
TCCCCCTTCTCCTTTGGGCTGGTCATCCAGCAGGTGTTGACAATGGCAGCATCTACAAC  
CCTGAAGTGCTTGATATCACAGAGGAACTCTGCATTCTCGCTTCTGGAGGGTGTCGCG  
AATGTTGCCAGTGTCTGTCTGCAGATTGGCTACCCAACCTGTTGCATCAGTACCCCATCT  
ATCATCAACGGGTACAAACGAGTCCTGGCCTTGCTGTGGAGACGGATTACACCTTCCCA  
CTTGCTGAAAAGGTCAAGGCCTTCTGGCTGATCCATCTGCCTTTGTGGCTGCTGCCCT  
GTGGCTGCTGCCACCACAGCTGCTCCTGCTGCTGCTGCAGCCCCAGCTAAGGTTGAAGCC  
AAGGAAGAGTCGGAGGAGTCGGACGAGGATATGGGATTTGGTCTCTTTGACTAA
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Clone variation with respect to NM_053275.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_053275 unedited
 TCCCATTTGTATACGACTCCTATAGGCGGCCGNAATTCGCACGAGGGCGTCTCGTGG
 AAGTGACATCGTCTTTAAACCTGCGTGGAATCCCTGACGCACCGCCGTGATGCCCAGG
 GAAGACAGGGCGACCTGGAAGTCCAACACTTCTTAAGATCATCCAACATTGGATGAT
 TATCCGAAATGTTTCATTGTGGGAGCAGACAATGTGGGCTCCAAGCAGATGCAGCAGATC
 CGCATGTCCCTTCGCGGGAAGGCTGTGGTGCTGATGGGCAAGAACACCATGATGCGCAAG
 GCCATCCGAGGGCACCTGAAAAACAACCCAGCTCTGGAGAACTGCTGCCTCATATCCGG
 GGGAAATGTGGGCTTTGTGTTACCAAGGAGGACCTCACTGAGATCAGGGACATGTTGCTG
 GCCAATAAGGTGCCAGCTGCTGCCCGTGGTGGCCATTGCCCATGTGAAGTCACTGTG
 CCAGCCCAGAACACTGGTCTCGGGCCGAGAAGACCTCTTTTTCCAGGCTTTAGGTATC
 ACCACTAAAATCTCCAGGGGCACCATTTGAAATCCTGAGTGATGTGCAGCTGATCAAGACT
 GGAGACAAAGTGGGAGCCAGCGAAGCCACGCTGCTGAACATGCTCAACATCTCCCCCTTC
 TCCTTTGGGCTGGTCATCCAGCAGGTGTTGACAATGGCAGCATCTACAACCTGAAGTG
 CTTGATATCACAGAGGAACTCTGCATTCTCGTCTCTGGAGGGTGTCCGCAATGTTGCC
 AGTGTCTGTGTCAGATTGGCTACCAACTGTTGCATCAGTACCCATTCTATCATCAAC
 GGNTACAAACGAGTCCTTGGCCTTGNTGTGGAGACGGATTACAACCTTCCCACTTGCT
 GAAAGGTCAAGGCCTTCTTGGCTGACCATCTGCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_053275 unedited
 CCCCAGCCCCCCCCACCTTCTACCCGAATTACGTTGANACCGGGCCCAATCCAG
 GATCGAGCTTTTTTTTTTTTTTTTTAAAGAATAAGCCTTATTCCCTTGTTCGAAATA
 AAAGTGGTAACCTGGTGTCTTTTTGGCGATTACCCAAAGAGACCAACCCCATATCCTC
 GTCGACTCCTCCGACTTCTCTTGGCTTCAACCTTAGCTGGGGTGCACCAGCACCAGG
 AGCAGCTGTGGTGGCAGCACCCACAGGGCACCCGCCCAAGGAGCATGGATCAGCCA
 AGAAGGCCTCGACCTTTTCAACAAGTGGCAAGGTGCAATCCGTCTCCACAGACAAGGCCA
 GGACTCGTTTGTACCCCGCATCATAGAATGGGGCACTGATGCACCAGTTGGGTAGCCAA
 TCTGCCACAGACTGGCAACCTTGGCGACACCCCAAGGAGGAGAAATGCACAGCTC
 CCTCTGCATCACAAGCACTCCCGCCTGTAGATGCTCGCTCGCCGAACCCCTGCTGGC
 TGACCAGCCCAAGGAGAAGGCGGAGATGTGAGCATGCTCACCCCGGTTCCCCTGCACC
 CACTCTTGGCCCCGCTCGCCACCTGTACATCCCCAGCCCCAATGGCGCCCCCTCC
 CCATCTAATGCTGCTCCCCAACTCTGTACAAAGGAGTTCTCCCCGCCCTCCACCC
 CTGTTTTGGGCTCGCCCCAGTGACCTTTTTCATTGGGGCCAGGGCCACCAACCCCGGT
 CAACAATCTGGGACCTTTTTGGGCCACCCATTGTACCTGGACCCACAGAGCGACC
 CCCTTGGCCGACCCACGGTCCCCCTTCCCCCTGTACACCCGGCACTAATTTTTCTCA
 AAACCCGTGGCCTGTCTCTCCACGGTCCCCTTCCAAAGGCCTCTCCCACTCCACGGG
 CTGCTCTCGCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_053275

Insert Size:

1180 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:	NM_053275.3 , NP_444505.1
RefSeq Size:	1289 bp
RefSeq ORF:	954 bp
Locus ID:	6175
UniProt ID:	P05388
Cytogenetics:	12q24.23
Domains:	Ribosomal_L10, 60s_ribosomal
Protein Pathways:	Ribosome
Gene Summary:	<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 (2) has a different 5' UTR than variant 1. They encode the same protein.</p>