

Product datasheet for **SC119573**

RPL7 (NM_000971) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL7 (NM_000971) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL7
Synonyms:	humL7-1; L7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_000971, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGTGTAGAAGAGAAGAAGAAGGAGGTTCTGCTGTGCCAGAAACCCCTTAAGAAAAAGCGAAGGA  
ATTTTCGCAGAGCTGAAGATCAAGCGCCTGAGAAAGAAGTTGCCCAAAGATGCTTCGAAAGGCAAGGAG  
GAAGCTTATCTATGAAAAAGCAAAGCACTATCACAAAGGAATATAGGCAGATGTACAGAACTGAAATTCGA  
ATGGCGAGGATGGCAAGAAAAGCTGGCAACTTCTATGTACCTGCAGAACCCAAATTGGCGTTTGTCAAT  
GAATCAGAGGTATCAATGGAGTGAGCCAAAGGTTGAAAGGTGTTGCAGCTTCTTCGCCTTCGTCAAAT  
CTTCAATGGAACCTTTGTGAAGCTCAACAAGGCTTCGATTAACATGCTGAGGATTGTAGAGCCATATATT  
GCATGGGGGTACCCCAATCTGAAGTCAGTAAATGAACTAATCTACAAGCGTGGTTATGGCAAATCAATA  
AGAAGCGAATTGCTTTGACAGATAACGCTTTGATTGCTCGATCTTTGGTAAATACGGCATCATCTGCAT  
GGAGGATTTGATTCATGAGATCTATACTGTTGGAAAACGTTCAAAGAGGCAAATAAATTCTGTGGCCC  
TTCAAATTTGCTTCTCCACGAGGTGGAATGAAGAAAAAGACCACCCATTTGTAGAAGGTGGAGATGCTG  
GCAACAGGGAGGACCAGATCAACAGGCTTATTAGAAGAATGAACTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000971 unedited CAGAATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGNAACCAT GGAGGGTGTAGAAGAGAAGAAGAAGGAGGTTCTGCTGTGCCAGAAACCCCTTAAGAAAAA GCGAAGGAATTTTCGCAGAGCTGAAGATCAAGCGCCTGAGAAAGAAGTTGCCCAAAGAT GCTTCGAAAGGCAAGGAGGAAGCTTATCTATGAAAAAGCAAAGCACTATCACAAGGAATA TAGGCAGATGTACAGAACTGAAATTCGAATGGCGAGGATGGCAAGAAAAGCTGGCAACTT CTATGTACCTGCAGAACCCAAATTGGCGTTTGTATCAGAAATCAGAGGTATCAATGGAGT GAGCCCAAAGGTTTCGAAAGGTGTTGCAGCTTCTTCGCCTTCGTCAAATCTCAATGGAAC CTTTGTGAAGCTCAACAAGGCTTCGATTAAATGCTGAGGATTGTAGAGCCATATATTGC ATGGGGGTACCCCAATCTGAAGTCAGTAAATGAACTAATCTACAAGCGTGGTTATGGCAA AATCAATAAGAAGCGAATTGCTTTGACAGATAACGCTTTGATTGCTCGATCTCTGGTAA ATACGGCATCATCTGCATGGAGGATTTGATTTCATGAGATCTATACTGTTGAAAACGCTT CAAAGAGGCAAATAAATCTCTGTGGCCCTCAAATTTGCTTCTCCACGAGGTGGAATGAA GAAAAAGACCACCCATTTTGTANAAGGTGGAGATGCTGGGCACAGGGAGGACCAGATCAA CAGGCTTATTAAGAATAAACTAAGGTGTCTACCATGATTATTTTTCTAAGCTGGTTGG TTAATAAACAGTACCTGCTCTCAAATTGAAAAAAAAAAAAAAAACTCGACTCTANTN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000971 unedited GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAATTTGAGAGCAGGTAAGTGT ATTAACCAACCAGCTTAGAAAAATAATCATGGTAGACACCTTAGTTTATTCTTTAATAA GCCTGTTGATCTGGTCTCCCTGTTGCCAGCATCTCCACCTTCTACAAAATGGTGGTCT TTTTCTTCATTCCACCTCGTGGAGAAGACAATTTGAAGGGCCACAGGAAGTTATTTGCCCT CTTTGAAGCGTTTTCCAACAGTATAGATCTCATGAATCAAATCCTCCATGCAGATGATGC CGTATTTACCAAGAGATCGAGCAATCAAAGCGTTATCTGTCAAAGCAATTCGCTTCTTAT TGATTTTGCCATAACCACGCTTGTAGATTAGTTCAATTTACTGACTTCAGATTGGGGTACC CCCATGCAATATATGGCTCTACAATCCTCAGCATGTTAATCGAAGCCTTGTGAGCTTCA CAAAGGTTCCATTGAAGATTTGACGAAGGCGAAGAAGCTGCAACACCTTTCGAACCTTTG GGCTCACTCCATTGATACCTCTGATTCTGATGACAAACGCCAATTTGGGTTCTGCAGGTA CATAGAAGTTGCCAGCTTTTCTGCCTCCTCGCCATTCAATTTCAAGTTCTGACATCCGCC TATATTCCTTGAGATAGAGCTTTGCTCTTTCATAGATAAGCTTCTCCTTGCCTTTGCAA GCATTTTTTTGAGCAACCTCTTTCTCAGGCGCTTGGATCTTAGCTCTGCGAAATTTCTTC GCTTTTTTTTAAGCTTTCTGGCCAACAGGAACCTTCTTCTTTTTTTCTACCCCTCCATG GGTCTCGGGCGGATTCCGGCCCCCATAGGGAGCCGATTAATAATTCTGACGGTTACCTA AGAACCTGCTTAAAAACCCACCACCCTCCCCATTGCGTAACGGGCGGGGTTTCC ACCTTTGGAG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_000971
Insert Size:	750 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_000971.3](#), [NP_000962.2](#)

RefSeq Size: 866 bp

RefSeq ORF: 747 bp

Locus ID: 6129

UniProt ID: [P18124](#)

Cytogenetics: 8q21.11

Domains: Ribosomal_L30

Protein Families: Transcription Factors

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 protein that is a component of the 60S subunit. The protein belongs to the L30P family of ribosomal proteins. It contains an N-terminal basic region-leucine zipper (BZIP)-like domain and the RNP consensus submotif RNP2. In vitro the BZIP-like domain mediates homodimerization and stable binding to DNA and RNA, with a preference for 28S rRNA and mRNA. The protein can inhibit cell-free translation of mRNAs, suggesting that it plays a regulatory role in the translation apparatus. It is located in the cytoplasm. The protein has been shown to be an autoantigen in patients with systemic autoimmune diseases, such as systemic lupus erythematosus. 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]