

## Product datasheet for **SC119504**

### **RPL37 (NM\_000997) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RPL37 (NM_000997) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL37
Synonyms:	L37
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119504 sequence for NM_000997 edited (data generated by NextGen Sequencing) ATGACGAAGGGAACGTCATCGTTTGGAAAGCGTCGCAATAAGACGCACACGTTGTGCCGC CGCTGTGGCTCTAAGGCCCTACCACCTTCAGAAGTCGACCTGTGGCAAATGTGGCTACCCT GCCAAGCGCAAGAGAAAAGTATAACTGGAGTGCCAAGGCTAAAAGACGAAATACCACCGGA ACTGGTCGAATGAGGCACCTAAAAATTGTATACCGCAGATTCAGGCATGGATTCCGTGAA GGAAACAACACCTAAACCAAGAGGGCAGCTGTTGCAGCATCCAGTTCATCTTAA

Clone variation with respect to NM\_000997.4



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_000997 unedited  
 CTTCTCCTTGTTATACGATTACTTTAGGGCGGCCGCGATTCCGGCAGGAGCCCTCGTGCCG  
 AATTTCGGCAGCAGGGCGCAGAAGCGAGATGACGAAGGGAACGTCATCGTTTGGAAAGCGTC  
 GCAATAAGACGCACACGTTGTGCCGCCGCTGTGGCTCTAAGGCCACACCTTCAGAAAGT  
 CGACCTGTGGCAAATGTGGCTACCCTGCCAAGCGCAAGAGAAAGTATAACTGGAGTGCCA  
 AGGCTAAAAGACGAAATACCACCGGAAC TGGTCAATGAGGCACCTAAAAATTGTATACC  
 GCAGATTACGGCATGGATTCCGTGAAGGAACAACACCTAAACCCAAGAGGGCAGCTGTTG  
 CAGCATCCAGTTCATCTTAAGAATGTCAACGATTAGTCATGCAATAAATGTTCTGGTTTT  
 AAAAAATAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTCATAGCTGTT  
 TCCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCGAGTGCCTCTCCTGGCCCTG  
 GAAGTTGCCACTCCAGTGCCACCAGCCTTGCTCCTAATAAAATTAAGTTGCATCATTTTG  
 TCTGACTAGGTGCTCTTCTATAATATTATGGGGGAGGGGGGGGGGGCNCNCCCNNNN  
 NNNCCNNNNNCCCTTTTTCTCTCCTGGTTTCGTTTTCTTTTTCTTTTGGCCCCC  
 GCTCCCCCCCCCTCTCTTTCTTTCTTTTCGTTTCGGTTCTCTCCGCGCCCGCCCTTCC  
 CTCTCTCCCCTCGCTCCCCCGNGTGGCGGNTCCTTTTAGCGTGTTCCTTTGCTATTT  
 TCCTCTCNGCGTGCNCGTGCNCTCTTCCCTCCTCCCTCCTTGTTCCTTCTTGTGTC  
 GTTGTCGCCCGCCGCGGCCACCCCGGCCTTCTCCCGCCGCGCTCACCCCTGTCACC  
 CCCCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_000997 unedited  
 GCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTTTAAAAACAAAACA  
 TTTATTGCATGACTAATCGTTGACATTCTTAAGATGAAGTGGATGCTGCAACAGTGCC  
 TCTTGGGTTTAGGTGTTGTTCTTACGGAATCCATGCCTGAATCTGCGGTATACAATTT  
 TTAGGTGCCTCATTGACCAAGTCCGGTGGTATTTTCGTTCTTTAGCCTTGGCACTCCAGT  
 TATACTTTCTCTTGCCTTGGCAGGGTAGCCACATTTGCCACAGGTGACTTCTGAAGGT  
 GGTAGGCCTTATAGCCACAGCGCGGCACAACGTGTGCGTCTTATTGCGACGCTTTCAA  
 ACGATGACGTTCCCTTCGTCATCTCGCTTCTGCGCCTCGTGCCGAATTCGGCAGGAGCC  
 TCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAAATTCGACGGTCACT  
 AAACGAGCTCTGCTTATATAGACCTCCCACCGTACACGCTACCGCCATTTGCGTCAAC  
 GGGGCGGGTTATTACGACATTTTGGAAAGTCCCGTTGATTTTGGTGCCAAAACAATC  
 CCATTGACGTCAATGGGGTGGAGACTTGGAAATCCCGTGAGTCAAACCGCTATCCACGC  
 CCATTGGTGTACTGCCAAAACCGCATCACCATGGTAATAGCGATGACTAATACGTANATG  
 TACTGCCAAGTANGAAAGTCCCCTAAGGTGATGACTGGGCATAATAGCCAGCGGGCCAT  
 TTACCGTCATTGACGTCAATAGGGGCGGACTTGCCATATGATCACTTGTGTACTGCCAGTG  
 GGCAGTTTACCGTAATACTCCACCATGNCGTAATGGAAAGCCCTATTGCGTTCTATGGAC  
 ATCGTCTTATTGCGTCATGGCGGGTTCGTTGGCGGTATCAGCGGGCATTACGAT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_000997

**Insert Size:**

450 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\\_000997.3](#), [NP\\_000988.1](#)

**RefSeq Size:** 7638 bp

**RefSeq ORF:** 294 bp

**Locus ID:** 6167

**UniProt ID:** [P61927](#)

**Cytogenetics:** 5p13.1

**Domains:** Ribosomal\_L37e

**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 L37E family of ribosomal proteins. It is located in the cytoplasm. The protein contains a C2C2-type zinc finger-like motif. 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]