

## Product datasheet for **SC119505**

### **RPL37A (NM\_000998) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RPL37A (NM_000998) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL37A
Synonyms:	L37A
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 SC119505 sequence for NM_000998 edited (data generated by NextGen Sequencing) ATGGCCAAACGTACCAAGAAAGTCGGGATCGTTCGGTAAATACGGGACCCGCTATGGGGCC TCCCTCCGAAAAATGGTGAAGAAAATTGAAATCAGCCAGCACGCCAAGTACACTTGCTCT TTCTGTGGCAAAACCAAGATGAAGAGACGAGCTGTGGGGATCTGGCACTGTGGTTCCTGC ATGAAGACAGTGGCTGGCGGTGCCTGGACGTACAATACCACTTCCGCTGTCACGGTAAAG TCCGCCATCAGAAGACTGAAGGAGTTGAAAGACCAGTAG  Clone variation with respect to NM_000998.4



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_000998 unedited</p> <pre> ATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGCCTAGGTTCGCGGCACATGGC CAAACGTACCAAGAAAGTCGGGATCGTCGGTAAATACGGGACCCGCTATGGGGCCTCCCT CCGGAAAATGGTGAAGAAAATTGAAATCAGCCAGCAGCCAAAGTACACTTGCTCTTTCTG TGGCAAACCAAGATGAAGAGACGAGCTGTGGGATCTGGCACTGTGGTTCTGCATGAA GACAGTGGCTGGCGGTGCCTGGACGTACAATACCACTCCGCTGTACGGTAAAGTCCGC CATCAGAAGACTGAAGGAGTTGAAAGACCAGTAGACGCTCCTCTACTCTTTGAGACATCA CTGGCCTATAATAAATGGGTTAATTTATGTAACANANAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAACTCGACTCTAAATTGCGGCCGCGGTATAGCTGTTT CCTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCTGG AAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAAAAAATTAAGTTGCATATTTTGTCT TGACTAGNGTGTCTTCTATAATATTATGGGGTGGAGGGGGTGGGGATTGGGAACCA GGGGGCAATGTTGGGAAAACAACCTTGTAGCCTGCGGGGTCTAATTGGGAAACCAGCT GGGANTGCAGTGGCACAATCTTGGCTACTGCAATCTCCGCTTCTGGGTCAAGCGATTCT CCTGGCTCAGCTCCCGAGTTGTGGGAATTCAGGCATGCATGACCAGCTAGCTATTTTT GGTTTTTTGGAAGAAGGAGGGGGTTTACCATATGGGCAGGCTGGTTTCCACTCTATTTGA GGGGATCTACCACCTTGCTCCCAATGGTGGGTATCAAGGGGGGAACACGGGCCTTCTGG CTTTTGGTTTAAAACTACGCGGGGGGGCCG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_000998 unedited</p> <pre> GCCGCAATCTAGAGTCGAGTTT TTTTTTTTTTGGGACATAAATTAACCCCTTTATTATAGGCCAGGGGTGGCTCAAAAAATA AAGGAGCGGCTACTGGGCTTTTAACTCCTTTAATCTTTTGGAGGGGGACTTACCAGGAC AACGAAATGGGATTGGACCTCCAGGCACCGCCAGCCACTGGTTTTATGCAGGAACCACA GGGCCAAACCCACAGTTCGGCTTTTTATTTGGGTTTGCACAAAAAAACAAGGGGA CTTGGGGGCTGGCTGATTTCAATTTTTTACCATTTTCCGAGGGAGGCCCAATAACG GGTCCCGATTTACCGACGATCCCACTTTTTTGGGACCTTTGGCCATGTCCCGCGACC TAAGCCTCGTGCCGAATTCGCGGGCGCCCTATAATGAGGCGTATTACAAAATTCTGACGG GTCATAAACGAACCTCTGGTTATATAAACCTCCACCGGACCCCTACCGCCATTTGC GTCAACGGGGCGGGGTATTACCACATTTTGGAAAGCCCGGTGATTTTGGTGCCAAAAA AAACTCCCATTTGACGTCAATGGGGTGGAGACTTGGGAATACCCGGGAGTCAAACCGCTAT TCACGCCATTGGTGTACTGGCAAAACCGCCTCACCTGGTAATAGGCGAAGACTAATAC CTAAATGTACTGCCAAGTAAGAAAAGCCCCAAAGTCATGTACTGGGCATATGGCCGGC GGGCCATTTACCGTATTGACGTCAATAAGGGGCGAAGTGGCTATGATACACCTGATGT CCTGCCAAGGGGAGTTTACCGCAAACTCCCCACTTGACGCAATGGGAAGGCCCTTTT GGCGTTCCATGGGAACCATACCTTTTTGACCCATGGGCGGGGGNTACGGCGGTACCAG CGGGCCTTACCGTAGTTGTACCGAATCCT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_000998
<b>Insert Size:</b>	450 bp
<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>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).

**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\\_000998.3](#), [NP\\_000989.1](#)

**RefSeq Size:** 1433 bp

**RefSeq ORF:** 279 bp

**Locus ID:** 6168

**UniProt ID:** [P61513](#)

**Cytogenetics:** 2q35

**Domains:** Ribosomal\_L37ae

**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 L37AE family of ribosomal proteins. It is located in the cytoplasm. The protein contains a C4-type zinc finger-like domain. 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]