

Product datasheet for **SC119509**

RPL36AL (NM_001001) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL36AL (NM_001001) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL36AL
Synonyms:	RPL36A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119509 sequence for NM_001001 edited (data generated by NextGen Sequencing) ATGGTCAACGTACCTAAAACCCGAAGAACCTTCTGTAAGAAGTGTGGCAAGCATCAGCCT CACAAAGTGACACAGTATAAGAAGGGCAAGGATTCTTTGTATGCCCAGGGAAGGAGGCGC TATGATCGGAAGCAGAGTGGCTATGGTGGGCAGACAAAGCCAATTTCCGGAAGAAGGCT AAGACCACAAAGAAGATTGTGCTAAGGCTGGAATGTGTTGAGCCTAACTGCAGATCCAAG AGGATGCTGGCCATTAAGAGATGCAAGCATTTTGAAGTGGGAGGAGATAAGAAGAGAAAAG GGCCAAGTGATCCAGTTCTAA

Clone variation with respect to NM_001001.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001001 unedited</p> <pre>TGTGCACTATTTTGTNATACGACTCACTATAGGGCGGCCGCGNATTCGGCACGAGGGCGA GAGCTGCGAAGGGCCAGGTGTCGGGCGCTGTTTCTCGTTTTTCATCATATAGACAAAACAG CCCTGCTGCAAAGATGGTCAACGTACCTAAAACCCGAAGAACCTTCTGTAAGAAGTGTGG CAAGCATCAGCCTCACAAAGTGACACAGTATAAGAAGGGCAAGGATTCTTGTATGCCCA GGGAAGGAGGCGCTATGATCGGAAGCAGAGTGGCTATGGTGGGCAGACAAAGCCAATTTT CCGGAAGAAGGCTAAGACCACAAAGAAGATTGTGCTAAGGCTGGAATGTGTTGAGCCTAA CTGCAGATCCAAGAGGATGCTGGCCATTAAGAGATGCAAGCATTGAACTGGGAGGAGA TAAGAAGAGAAAAGGGCCAAGTGATCCAGTTCTAACTTTGGGATATTTTTCTTCAATTTT GAAGAGAAAATGGTGAAGCCATAGAAAAGTTACCCGAGGGAAAATAAATACAGTGATATT CTTACGCAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTT TCCTGAACAGATCCCGGGTGGCATTCCCTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCT GGAAGTTGCCACTCCAGTGCCACCAGCCTTGCTAATAAAAATAAGTTGCATCATTTTG TCTGACTAGGTGCTCTTATAATATATTGGGGTGGAGGGGGTGGTATTGGAACAGGGGC CAATTGGGAAAACCACTGTAGGCTGCGGGTCTATTGGAACCAACTTGGATGCATGGG CCATCTGGCTACTGCATATCCGCTCTGGGTAAGCGATTCTGCCTACCCCGGATGG TGGGATTCAGTTCCTGCAGGCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001001 unedited</p> <pre>TATGGACCGCGGCACGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTCGTAAGAAAT CACTGTATTTATTTCCCTCGGGTAACTTTTCTATGGCTTACCATTTTCTTCAAAT TGAAGAAAATATCCCAAAGTTTAAACTGGATCACTTGGCCCTTCTCTTCTTATCCTC TCCAGTTCAAAATGCTTGCATCTTAATGGCCAGCATCCTCTTGGATCTGCAGTTAGG CTCAACACATTCCAGCCTTAGCACAATCTTCTTTGTGGTCTTAGCCTTCTCCGAAAAT TGGCTTTGTCTGCCACCATAGCCACTCTGCTTCCGATCATAGCGCTCCTTCCCTGGGC ATACAAAGAAATCCTTGCCTTCTTATACTGTGTCACTTTGTGAGGCTGATGCTTGCACA CTTCTTACAGAAGTTCTTCCGGTTTTAAGTACGTTGACCATCTTGCAGCAGGGCTGTT TTGTCTATATGATGAAAACGAGAAACAGCGCCGACACCTGGCCCTTCCGAGCTCTCGCC TACGAGCTCTGCTTATATAGACCTNCCACCGTACACGCTACCGCCATTTGCGTCAA CGGGGCGGGGTTATTACGACATTTTGGAAAGTCCCGTTGATTTTTGGTGCCAAAACAAA CTCCCATTTGACGTAATGGGGGGGAGACTTGGGAAATCCCGTGAGTCAAACCGCTATCCA CGCCCATTTGGTGTACTGCCAAAACCGCATACCATGGTNATAGCGATGACTTAACNTAA NATGGACTGCAGNNAGAAAAGTCCCGTAAGGGCATGGACTGGGCATATGNCCCAGCGGG CCATTTACGTNCTTGACGTAATAGGGGGCCGACTGGATATGATCCCTTGGAGACTGG CACAGGGGCCACGTAACCGAAATACTTCCCCCTGACGTCAA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001001
Insert Size:	530 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_001001.3](#), [NP_000992.1](#)

RefSeq Size: 549 bp

RefSeq ORF: 321 bp

Locus ID: 6166

UniProt ID: [Q969Q0](#)

Cytogenetics: 14q21.3

Domains: Ribosomal_L44

Protein Pathways: Ribosome

Gene Summary: Cytoplasmic ribosomes, 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 shares sequence similarity with yeast ribosomal protein L44, belongs to the L44E (L36AE) family of ribosomal proteins. This gene and the human gene officially named ribosomal protein L36a (RPL36A) encode nearly identical proteins; however, they are distinct genes. Although the name of this gene has been referred to as ribosomal protein L36a (RPL36A), its official name is ribosomal protein L36a-like (RPL36AL). 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]