

## Product datasheet for **SC111220**

### **RPL36 (NM\_015414) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RPL36 (NM_015414) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL36
Synonyms:	L36
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 SC111220 sequence for NM_015414 edited (data generated by NextGen Sequencing) ATGGCCCTACGCTACCCTATGGCCGTGGGCCTCAACAAGGGCCACAAAGTGACCAAGAAC GTGAGCAAGCCCAGGCACAGCCGACGCCGCGGGGTCTGACCAAACACACCAAGTTCGTG CGGGACATGATTCGGGAGGTGTGTGGCTTTGCCCGTACGAGCGCGCCATGGAGTTA CTGAAGGTCTCCAAGGACAAACGGGCCCTCAAATTTATCAAGAAAAGGTGGGGACGCAC ATCCGCGCCAAGAGGAAGCGGGAGGAGCTGAGCAACGTACTGGCCGCCATGAGGAAAGCT GCTGCCAAGAAAGACTGA

Clone variation with respect to NM\_015414.3



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_015414 unedited  
 CCTGTCAGATTTGTCTACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGTGGAGAGC  
 AGCAGCCATGGCCCTACGCTACCCTTATGGCCGTGGGCTCTCAACAAGGGCCACAAAGTG  
 ACCAAGAACGTGAGCAAGCCCAGGCACAGCCGACGCCGCGGGCGTCTGACCAAACACACC  
 AAGTTCGTGCGGGACATGATTCGGGAGGTGTGTGGCTTGCCTTACGAGCGCGCGCC  
 ATGGAGTTACTGAAGTCTCCAAGGACAAACGGGCCCTCAAATTTATCAAGAAAAGGGTG  
 GGGACGCACATCCGCGCCAAGAGGAAGCGGGAGGAGCTGAGCAACGTACTGGCCGCCATG  
 AGGAAAGCTGCTGCCAAGAAAGACTGAGCCCTCCCCTGCCCTCCTGAAATAAAGAA  
 CAGCTTGACAGAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGTCAATAGC  
 TGTTCCTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAGTGCCTCTCCTGGC  
 CCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCAT  
 TTTGTCTGACTAGGTGCTCTTATAATATTATGGGGTGGAGGGGGTGGTATGGAGCAA  
 GGGCAAGTTGGGAAGACAACCTGTAGGGCCTGCGNGTCTATTGGGAACCAAGCTGGAG  
 TGCAGTGGCACAATCTTGCTCACTGCAATCTCCGCTCCTGGGTCAAGCGATTCTCCT  
 GCCTCAGCCTCCCGAGTTGTTGGGAATTCAGGCATGCATGAGCAGCTCAGCTAATTTTT  
 GTTATTTGGTAGAGACGGGATTTACCATATTGGGCCAGCTGGTCTCCACTTCTTATC  
 TCAGGTGATCTACCCCGCTTGGGCTCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_015414 unedited  
 GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTGTCAAGCTGTTCTTTATTTACGGG  
 AGAGGGCAGGGGAGGGGCTCATTCTTTCTTGGCAGCAGCTTTCCTCATGGCGGCCAGTAC  
 GTTGCTCAGCTCCTCCCGTTCCTCTTGGCGCGGATGTGCGTCCCACCCTTTTCTTGAT  
 AAATTTGAGGGCCGTTTGTCTTGGAGACCTCAGTAACTCCATGGCGCGCCGCTCGTA  
 CGGGGCAAAGCCACACACTCCCGAATCATGTCCCGCACGAACCTGGTGTGTTGGTTCAG  
 ACGCCCGCGCGTGGCTGTGCCTGGGCTTGTCTCACGTTCTTGGTCACTTTGTGGCCCTT  
 GTTGAGGCCACGCCATAGGGTAGCGTAGGGCCATGGCTGTCTCCACCTCGTGCC  
 GAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAAATCTGACGGTTCACTAAACGAG  
 CTCTGCTTATATAGACCTCCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGGCGG  
 GGTTATTACGACATTTTGGAAAGTCCCCTGATTTTGGTGCCAAAACAACTCCCATTGA  
 CGTCAATGGGGTGGAGACTTGGAAATCCCCTGAGTCAAACCGCTATCCACGCCCATTTGG  
 TGTACTGCCAAAACCGCATCACCATGGTAATAGCGATGACTAATACGTANATGTACTGCC  
 AAGTANGAAAGTCCCGTAAAGTCATGTAAGTGGGATAATGCCAGCGGGCCATTTACCGT  
 CATTGACGTNAATAGAGGGCGGACTTGGCATATGATACACTTGTGACCTGCCAGTGGGC  
 AGTTTACCGTAAATACTCCCCCTTGGAGTCAATGGGAAGTCCCCTATAGCGTACTATG  
 GACCTACCTCATATTGACGCAATGGCCGAGGTCGGTTGCCGTACCCAGCGGGCCTTAC  
 GNAGTATGTACCCGGACTCCTATAGCCTTGACAATGACCCGTATGTTCTCTAAACCGGC  
 AAATN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_015414

**Insert Size:**

460 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\\_015414.2](#), [NP\\_056229.2](#)

**RefSeq Size:** 545 bp

**RefSeq ORF:** 318 bp

**Locus ID:** 25873

**UniProt ID:** [Q9Y3U8](#)

**Cytogenetics:** 19p13.3

**Domains:** Ribosomal\_L36e

**Protein Families:** Druggable Genome

**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 L36E family of ribosomal proteins. It 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]  
Transcript Variant: This variant (2) has a different 5' UTR than variant 1. Variants 1 and 2 encode the same protein.