

## Product datasheet for **SC115722**

### **RPL10A (NM\_007104) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPL10A (NM_007104) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL10A
Synonyms:	Csa-19; CSA19; L10A; NEDD6
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 SC115722 sequence for NM_007104 edited (data generated by NextGen Sequencing)

```
ATGAGCAGCAAAGTCTCTCGCGACACCCTGTACGAGGCGGTGCGGGAAGTCTGCACGGG
AACCAGCGCAAGCGCCGCAAGTTCTGGAGACGGTGGAGTTGCAGATCAGCTTGAAGAAC
TATGATCCCCAGAAGGACAAGCGCTTCTCGGGACCGTCAGGCTTAAGTCCACTCCCCGC
CCTAAGTTCTGTGTGTGTCTGGGGACCAGCAGCACTGTGACGAGGCTAAGGCCGTG
GATATCCCCACATGGACATCGAGGCGCTGAAAAAACTCAACAAGAATAAAAACTGGTC
AAGAAGCTGGCCAAGAAGTATGATGCGTTTTTGGCCTCAGAGTCTCTGATCAAGCAGATT
CCACGAATCCTCGGCCAGGTTTAAATAAGGCAGGAAAGTTCCCTTCCCTGCTCACAC
AACGAAAACATGGTGGCCAAAGTGGATGAGGTGAAGTCCACAATCAAGTCCAAATGAAG
AAGGTGTTATGTCTGGCTGTAGCTGTTGGTCACGTGAAGATGACAGACGATGAGCTTGTG
TATAACATTACCTGGCTGTCAACTTCTTGGTGTATTGCTCAAGAAAACTGGCAGAAT
GTCCGGGCCTTATATATCAAGAGCACCATGGGCAAGCCCCAGCGCTATATTAA
```

Clone variation with respect to NM\_007104.4



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_007104 unedited GCACGAGGGGCGTGAGAAGCCATGAGCAGCAAAGTCTCTCGCGACACCCTGTACGAGGGC GTGCGGGAAGTCTGCACGGGAACCAGCGCAAGCGCCGCAAGTTCCTGGAGACGGTGGAG TTGCAGATCAGCTTGAAGAACTATGATCCCCAGAAGGACAAGCGCTTCTCGGGCACCGTC AGGCTTAAGTCCACTCCCCGCCCTAAGTCTCTGTGTGTCTCTGGGGACCAGCAGCAC TGTGACGAGGCTAAGGCCGTGGATATCCCCACATGGACATCGAGGCGCTGAAAAAATC AACAGAATAAAAAAAGTGGTCAAGAAGCTGGCCAAGAAGTATGATGCGTTTTTGGCCTCA GAGTCTCTGATCAAGCAGATTCCACGAATCCTCGGCCAGGTTTAAATAAGGCAGGAAAG TTCCCTTCCCTGCTCACACACAACGAAAACATGGTGGCCAAAGTGGATGAGGTGAAGTCC ACAATCAAGTTCCAAATGAAGAAGGTGTATGTCTGGCTGTAGCTGTTGGTCACGTGAAG ATGACAGACGATGAGCTTGTGTATAACATTCACCTGGCTGTCAACTTCTTGGTGCATTG CTCA
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_007104 unedited CGCGCCGCTATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAACTGGTAATAGAATTTATT CAAATGTGCCTTAATATAGGCGCTGGGGCTTGCCCATGGTGTCTTGATATATAAGGCC GGACATTTGCCAGTTTTTCTTGAGCAATGACACCAAGAAGTTGACAGCCAGGTGAATGT TATACACAAGCTCATCGTCTGTCATCTTACGTGACCAACAGCTACAGCCAGACATAACA CCTTCTTCATTTGGAAGTTGATTGTGGACTTCACCTCATCCACTTTGGCCACCATGTTTT CGTTGTGTGTGAGCAGGGAAGGGAAGTTTCTGCCTTATTTAACTGGCCGAGGATTC GTGGAATCTGCTTGATCAGAGACTCTGAGGCCAAAACGCATCATACTTCTTGGCCAGCT TCTTGACCAGTTTTTTATCTTGTGTGAGTTTTTTCAGCGCTCGATGTCCATGTGGGGGA TATCCACGGCCTTAGCCTCGTCACAGTGTCTGGTCCCCAGGACACACAGAGAAGT TAGGGCGGGGAGTGGACTTAAGCCTGACGGTGCCCGAGAAGCGCTTGTCTTCTGGGGAT CATAGTTCTTCAAGCTGATCTGCAACTCCACCGTCTCCAGGAAGTTGCGGCGCTTGCCT GGTTCCCGTGCAGGACTTTCGCGACCGCCTTGTAAAGGGTGTGCGGAGAAGTTTGTGCTC ATGCTTCAAACCCCTGTGCCGAATCCCGGCCGCCATAGCGAGTCTTTACCAAAT CTGCACGTCCCTAAACGAACCTTGTATATAACCTCCACCGACACCCTCCCGCATTTGC GTAACGGGCGGGTTTAGAACTTTGAAACCCCGTATTGGGCCAAAAGTCTTGGCC AAGGGTGGCACGGAATCCCCGATCAACCCTCCCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_007104
<b>Insert Size:</b>	760 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>

RefSeq: [NM\\_007104.4](#), [NP\\_009035.3](#)

RefSeq Size: 719 bp

RefSeq ORF: 654 bp

Locus ID: 4736

UniProt ID: [P62906](#)

Cytogenetics: 6p21.31

Domains: Ribosomal\_L1

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 L1P family of ribosomal proteins. It is located in the cytoplasm. The expression of this gene is downregulated in the thymus by cyclosporin-A (CsA), an immunosuppressive drug. Studies in mice have shown that the expression of the ribosomal protein L10a gene is downregulated in neural precursor cells during development. This gene previously was referred to as NEDD6 (neural precursor cell expressed, developmentally downregulated 6), but it has been renamed RPL10A (ribosomal protein 10a). 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]