

Product datasheet for **SC105668**

RPL10A (AK092386) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL10A (AK092386) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL10A
Synonyms:	Csa-19; CSA19; L10A; NEDD6
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AK092386, the custom clone sequence may differ by one or more nucleotides

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CTGTGTGTCTCTGGGGACCAGCAGCACTGTGACGAGGCTAAGGCCGTGGATATCCCCACATGGACAT
CGAGGCGCTGAAAAAACAACAAGAATAAAAACTGGTCAAGAAGCTGGGTGAGTCCGGCCGCTGTGGT
TTTGCATGTGAGATGTGTGGTGGGGCGGTAGAAAGGCTTTTCTGCCATTTTCGATTTTTAAATGATGAG
GGGCTAGAAATAGCAAAGGATCGGCGGTGGTTCCTAGCTTGCCTGAGTGTGTTTTAGCTTTGGGGTGG
TTTGATGTTTGTATTGCTATGAGGATCCAGTTGATGAGGGAGGCCAGGCATTGTAAGTTGACCAGCCAG
GTGCTGGTGAACATGATTTGGAAATCTTACGCTGCGTTGTTTAGGCAGTGGCATTAGACTGCTTTTAC
AGGTAGGAAGCAGACATCCCAGTTGTCACGTGTCCAGGGTCCACAGCTAAGAAATAGGCAGAATTCGAG
CCCAGGCAGTCTTGACCAGAGCATCCGTTGTACAGCGTTATGCCATGGATCATGGGTGAGCCTGGTTTT
CTGAGAGCATGTTTTGGGACCAGTGAAGGTCCAGAGGACTTTCTGGAAACCGTTTGGGCTAGGAAAAAGA
CTGAGGCGGGGTCTTAGAGAGGGTGTGCTTGGAGGTCACTTACATGATTGATTCAAGTGCCTTTCTGGC
CTGCCACATTTGAGGTGTGCTTGGTGACCAGGTTCTAAGCAATGCCAATGGCTTCTCTCTATCAGC
CAAGAAGTATGATGCGTTTTTGGCCTCAGAGTCTCTGATCAAGCAGATTCCACGAATCCTCGGCCAGGT
TTAAATAAGGCAGGAAAGTTCCCTTCCCTGCTCACACACAACAAACATGGTGGCCAAAGTGGATGAGG
TGAAGTCCACAATCAAGTTCCAAATGAAGAAGGTGAGTGGGTCTGGCGGGTTGCTATGGGTGAAGGTGTT
GGCAGGTCTAAATCTTATCCAAGTCTCTAAATATGCCAGTAAGAGCACCCACCAGGATTGAAACTTTTG
GAGTAACCCTGGTCTTGGCCCGGTCCAAGTACCTGCTCACCAGGCCACTGGGGAGGAAGGACAGGCCA
TCTGCTATTCTGTCACCAACCTGACTTGATCCTCTCTTCCCTCTCCAGGTGTTATGTCTGGCTGTAGC
TGTTGGTCACGTGAAGATGACAGACGATGAGCTTGTGTATAACATTACCTGGCTGTCAACTTCTGGTG
TCATTGCTCAAGAAAACTGGCAGAATGTCGGGCCTTATATATCAAGAGCACCATGGGCAAGCCCCAGC
GCCTATATTAAGGCACATTTGAATAAATCTATTACCAGT
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK092386 unedited ATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTGAGAAGCCATG AGCAGCAAAGTCTCTCGCGACACCCTGTACGAGGCGGTGCGGGAAGTCTGCACGGGAAC CAGCGCAAGCGCCGCAAGTTCCTGGAGACGGTGGAGTTGCAGATCAGCTTGAAGAACTAT GATCCCCAGAAGGACAAGCGCTTCTCGGGCACCCTCAGGTTGGCACCGTTCTGATCCCAC CCAGCCCTCAGTGCCCCCGTGTGCCCCCTCCCCTGCAGGCTCCCGCTGAGCCGGAGGCG GGCACGTCGGTACTGATGTGCTAGGGTAGTTTCAGACCCCCTGCTCCGGGCAGGCGCGCT GGACGGACCCCAACCCTGGGTCTTAAAACATGAGGGGAGGCGTGGGTAGCCTCGGCCGA GCCCGCCGGCCAGCCTGAGAAGCCAGGCTGGCTGCTGGTGAATGTGAACGCTCCGGGTAA GGCTCGGTGGCTGCTGCGGTCCCAGACCCTTACCAGGCCCTTGGGACCCAGGGCTAGGCG TAACCTGTTGGTGTGTCCCCAAAACGCAGGCTTAAGTCCACTCCCGCCCTAAGTTCT CTGTGTGTCTGCGGGGACCAGCAGCACTGTGACGAGGCTAAGGCCGTGGATATCCCC ACATGGACATCGAGGCGTGAAAAAACAACAAGAATAAAAACTGGTCAAGAAGCTGG GTGAGTCCGGCCGCTGTGGTTNTGCATGTGAGATGTGTGGTGGGGCGGTAGAAAGGCTT TTCTGCCATTNTCGATTTTAAATGATGAGGNGCCTAGAATAGCANAGGATCCGCGNGGN TGCTAGCTTGGCTGAGTGTGTTAGCTTTGGGTGGNTNGATGNNTTGTATGCTATGAG GATCCCAGTGTGAGGGAGCCNGCATTGTAGGTGACAGCCAGTGTGTGACTATGATTG GAATCTTACCCTGGCGTGTAGCACGGCATAGATGTTTTAGG
Restriction Sites:	NotI-NotI
ACCN:	AK092386
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:	<ol style="list-style-type: none"> 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:	AK092386.1
RefSeq Size:	1371 bp
RefSeq ORF:	1371 bp
Locus ID:	4736
Cytogenetics:	6p21.31
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]