

Product datasheet for **SC102349**

RPL35A (AK055653) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL35A (AK055653) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL35A
Synonyms:	DBA5; L35A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK055653, the custom clone sequence may differ by one or more nucleotides

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TACAAAATCAAATGTTAAATTTGTCTGAAAAATATATTTCTACATGATCTGATAAAGTTCAGATAAGGG
GCATTCTGTTCTAAGAATGTCCTAAAAATGGAAAGCTGATAAAGATTACGCTTAGAATTATACAGGTA
AAAGACCTACAACAGTTGTTCTCTTTGTTTTGATCCCATAGGTTATTTGTTATTACTCTTCTTTAACAGAG
TGATTTTCTATTCTAACCTTCTTAAGAGCCAATACAGAGTAGAAAGAAATATTTTCAGAAAGCCTTTTT
AATAGTAACTTAATGTA AAAATTTGTTTATCCTTTGGTTGAGGTTTCCCATTTCCATTTTTAAGCTTATCT
GAACTGTGAACATGAAAAACGTAATGATTCATTGGTCAAGAAGCTACCATTTGAGGGCTCTAAAGTTTCT
TTTAGATTTCTTTTTTATATCAGTACAATTA AAAATTTGATTTATCAAGTAGCAGCAGCTTCTTGATATT
GTTACATACATTAGCTTGTTCATAAAAATGTTAGAGTTAAAACCTATTA AAAATGCTATCGTTAAACATAA
ACTAATTA AAAATTCAGTATACGAGATTCCCTTCAAAAACATCTTATTTTTATTTTATTTAGTACTTGC
TTCAGTGT TTTCTAGGAATATCTAGTAAAGGCCTTTACTGTTTTCCACATGGCCTAATTTTATATTGGAC
TACAATTTTTGAGAAGGAATGCCAAATACAAAATTTTGAATCAATAAATTACAATTATAATTTTTATACT
TATTTTCAAAGTTAATTTACTTTAGATGGCAGTAAAATCACTGAACCTTCTGATTGAAAGAAAATTTTTTA
GTTTGAATTTCTCTTGAAAGGGGTTTGCAGTCCCTTTGAAAGGAGTAAAGCAATCCTGGAAGTAATT
GAGTATTTAATCCTCCTATATTTTTCTGAAGATTTTTGTGTCAGTATACTTTCTTTATGCTGGCTAGAA
AGATCAGTTCTCAAGAGTTGCAGGATAAAAATCAAATTAACCTTTTATGTTTCAAGACTAAAACATATCCTT
GCATTTATGGGAAGGATAGGTA AAAATGGAGATGGTGGCTGATAAAAATAAAAATCTTTGAAACTATGTTT
TTACAAGCCCAAAGCCTTTTGGAGTTGAAAGTATTA AAAAAAAGTATGATATGCTATCTTCAGGTTATGT
ATATGATCACAGATAATAGCTCTGATGGTCACAGAGCTTGCTGATGGCTTCAAAGGATGGCTCCTGCCT
TTTACCTTGTACCACAGCTCCTCATAGGCACCTTTGAGTGGCAGTTCTGGAATCTGAAAAAGAAAGGAT
AGTGTAAGAATGGTGGTAAAATAAAAAGA AACTGTCTTTATAGTTCTGCTTTATAGGCTCAATAAGGATT
TTTCTCTTACCGCCTCTTGGCTCCTGTGGAGGCTGCTGGGAACGGGACTTCTAAAAGAACTATGTCT
GGAAGGCTGTGGTCCAAGGCCATTTTTGCTGGCTATAAGCGGGTCTCCGGAACCAAAGGGAGCACACAG
CTCTTCTTAAAATGAAGGTGTTTACGCCCGAGATGAAACAGAATTCTATTTGGGCAAGAGATGCGCTTA
TGTATATAAAGCAAAGAACAACACAGTCACTCCTGGCGCAAACCAAACAAAACCAAGAGTCATCTGGGGA
AAAGTAACTCGGGCCATGGAACAGTGGCATGGTTCTGTCCAAATTCGAAGCAATCTTCTGCTAAGG
CCATTGGACACAGAATCCGAGTGATGCTGTACCCCTCAAGGATTTAAACTAACGAAAAGTCAATAAATAA
ATGTGGATTTGTGCTCTGTATTTTTAAGTGGATTA AAAA AACTACTACCTT
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK055653 unedited

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CGGCCGCAATTCGGCACCAGGCCATCTGGCTCCTGTGGAGGCCTGCTGGGAACGGGAC
TTCTAAAAGGAACTATGTCTGGAAGGCTGTGGTCCAAGGCCATTTTTGCTGGCTATAAGC
GGGTCTCCGGAACCAAAGGGAGCACACAGCTCTTCTAAAATGAAGGTGTTTACGCC
GAGATGAAACAGAATTCTATTTGGCAAGAGATGCGCTTATGTATATAAAGCAAAGAACA
ACACAGTCACTCCTGGCGCAAACCAAACAAAACCAAGAGTCATCTGGGGA AAAAGTAACTC
GGGCCATGGAACAGTGGCATGGTTCTGTCCAAATTCGAAGCAATCTTCTGCTAAGG
CCATTGGACACAGAATCCGAGTGATGCTGTACCCCTCAAGGATTTAAACTAACGAAAAAT
CAATAAATAAATGTGGATTTGTGCTCTTGTATTTTTAAGTGGATTA AAAA AACTACTACC
TTAAAAA AAAAAAAAAAAAAA AACTCGACTCTAGATTGCGGCCGCGGTCATAGCTGTTTCT
GAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCTGGAAG
TTGCCACTCCAGTGCCCAACAGCCTTGTCTTAATAAATTAAGTTGCATCATTTTGTCTG
ACTAGGTGCTCTTAATAATAATGGGTGAGGGGGGGGTTTTTTTTAAACCAGGGCCA
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3' Read Nucleotide Sequence:	>OriGene 3' read for AK055653 unedited NTCCGGTTCATCTATGNNACCGCGCCGCATNCTAGNGATCGGTTTTTTTTTTTTTTTTTTT TTAAGGTAGTAAGTTTTTAAATCCACTTAAAATACAAGAGCACAAATCCACATTTATTTA TTGATTTTTCGTTAGTTTAAATCCTTGAGGGGTACAGCATCACTCGGATTCTGTGTCCAA TGGCCTTAGCAGGAAGATTGCTTCGGAATTTGGCACGAACCATGCCACTGTTCCATGGG CCCGAGTTACTTTTTCCCAGATGACTCTGGTTTTGTTTGGTTTGCCGCCAGGAGTGACTG TGTTGTTCTTTGCTTTATATACATAAGCGCATCTTGCCCAAATAGAATTCTGTTTCAT CTGGGGCGTAAACACCTTCAATTTTAAGAAGAGCTGTGTGCTCCCTTTGGTTCGGGAGAC CCCGCTTATAGCCAGCAAAAATGGCCTTGACCACAGCCTTCCAGACATAGTTCCCTTTTA GAAGTCCCCTTCCAGCAGGCCTCCACAGGAGCCAAGATGGCCTGGTGCCGAATTCGCGG CCGCCCTATAGTGAGTCTGATTACAAAATTCTGACGGTCACTAAACGAGCTCTGCTTAT ATAGACCTCCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGGCGGGGTTATTACG ACATTTTGAAAGTCCCCTTGTATTTGGTGCCAAAACAACTCCCATTGACGTCAATGGG GTGGAGACTTGAAAATCCCCTGAGTANACCGCTATCCACGCCATTGGTGTACTGCCA AAACCGCATCACCATGGTAATAGCGATGACTAATACGTAGATGTACTGCCAAGTANGAAA GTCCCGNTAGGTCATGTACTGGGCATAAATGCCAGCGGGCCATTTACCGTCATTGACA
Restriction Sites:	NotI-NotI
ACCN:	AK055653
Insert Size:	500 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:	<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:	AK055653.1
RefSeq Size:	1872 bp
RefSeq ORF:	1872 bp
Locus ID:	6165
Cytogenetics:	3q29
Domains:	Ribosomal_L35Ae
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 L35AE family of ribosomal proteins. It is located in the cytoplasm. The rat protein has been shown to bind to both initiator and elongator tRNAs, and thus, it is located at the P site, or P and A sites, of the ribosome. Although this gene was originally mapped to chromosome 18, it has been established that it is located at 3q29-qter. Alternative splicing results in multiple transcript variants. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Oct 2015]