

Product datasheet for **SC119503**

RPL35A (NM_000996) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL35A (NM_000996) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL35A
Synonyms:	DBA5; eL33; L35A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119503 sequence for NM_000996 edited (data generated by NextGen Sequencing) ATGTCTGGAAGGCTGTGGTCCAAGGCCATTTTTGCTGGCTATAAGCGGGTCTCCGGAAC CAAAGGGAGCACACAGCTTCTTAAAATTGAAGGTGTTTACGCCGAGATGAAACAGAA TTCTATTTGGCAAGAGATGCGCTTATGTATATAAAGCAAAGAACAACACAGTCACTCCT GGCGGCAAACCAAACAAACCAGAGTCATCTGGGAAAAGTAACTCGGGCCCATGGAAAC AGTGGCATGGTTCGTGCCAAATCCGAAGCAATCTTCTGCTAAGGCCATTGGACACAGA ATCCGAGTGATGCTGTACCCCTCAAGGATTTAA

Clone variation with respect to NM_000996.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000996 unedited TGTAATACGAACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCTTGGCTCCTGTGGA GGCCTGTGGGAACGGGACTTCTAAAAGGAACTATGTCTGGAAGGCTGTGGTCCAAGGCC ATTTTTGCTGGCTATAAGCGGGTCTCCGGAACCAAAGGGAGCACACAGCTCTTCTTAAA ATTGAAGTGTTCACGCCGAGATGAAACAGAATTCTATTTGGGCAAGAGATGCGCTTAT GTATATAAAGCAAAGAACAACACAGTCACTCCTGGCGGCAAACCAAACAAACCCAGAGTC ATCTGGGAAAAAGTAACCTCGGGCCCATGGAAACAGTGGCATGGTTCGTGCCAAATCCGA AGCAATCTTCCTGCTAAGGCCATTGGACACAGAATCCGAGTGATGCTGTACCCCTCAAGG ATTTAAACTAACGAAAAATCAATAAATAATGTGGATTTGTGCTCTTGTATTTTTAAGTG GATTAATAAACTACTACCTTAAATTGATTTGCTACATGCTTAAATGATAGAGGTTGCT CAGCATTTTTGGAGTACAAGGGGTCAGAGAGACATGTGATGAAAATTANCAGGGCGAGT ACAGAGATTTAGAAGGGCAAACGGGTTTAAATGGCGAGTATCTTNGACAGAGTCTTGCT CTGTTGCCATCTGGANTGTTNNAAGGGTGCTCGCTGCAGCCTACATTCAAAGGCTCAA GCAATCCTCCCTGGCTTTGAAGNTAGCTGGGAACACAGGCTCATGCACCATNCCTTGG GNTATTTNTAAAATTCTGTNNAAAAAAGAGGGTCTGACTCTTGCCTATGCTGCTTCAAC TGCTGGCTCAGCAATCTCTTCTTGCTTNCCTGAAAGGGCTGGGAAAAAATTATGACCA CAACCTGCAGGGGTTTGGATCTATGCATTGTCAAGGCGATGC
Restriction Sites:	NotI-NotI
ACCN:	NM_000996
Insert Size:	1240 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:	NM_000996.2 , NP_000987.2
RefSeq Size:	511 bp
RefSeq ORF:	333 bp
Locus ID:	6165
UniProt ID:	P18077
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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.