

Product datasheet for **SC119518**

RPS7 (NM_001011) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS7 (NM_001011) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS7
Synonyms:	DBA8; eS7; S7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119518 sequence for NM_001011 edited (data generated by NextGen Sequencing)

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ATGTTTCAGTTCGAGCGCCAAGATCGTGAAGCCCAATGGCGAGAAGCCGGACGAGTTCGAG
TCCGGCATCTCCAGGCTCTTCTGGAGCTGGAGATGAACTCGGACCTCAAGGCTCAGCTC
AGGGAGCTGAATATTACGGCAGCTAAGGAAATTGAAGTTGGTGGTGGTCCGAAAAGCTATC
ATAATCTTTGTTCCCGTTCCTCAACTGAAATCTTCCAGAAAATCCAAGTCCGGCTAGTA
CGCGAATTGGAGAAAAAGTTCAGTGGGAAGCATGTCGTCTTTATCGCTCAGAGGAGAATT
CTGCCTAAGCCAACTCGAAAAAGCCGTACAAAAAATAAGCAAAGCGTCCCAGGAGCCGT
ACTCTGACAGCTGTGCACGATGCCATCCTTGAGGACTTGGTCTTCCCAAGCGAAATTGTG
GGCAAGAGAATCCGCGTCAAAGTATGATGGCAGCCGGCTCATAAAGTTTCATTTGGACAAA
GCACAGCAGAACAATGTGGAACACAAGGTTGAACTTTTTCTGGTGTCTATAAGAAGCTC
ACGGGCAAGGATGTTAATTTGAATTCCAGAGTTTCAATTGTAA
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Clone variation with respect to NM_001011.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001011 unedited</p> <pre>TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCAAGTCTCCCAGGA GAAAGCCATGTTTCAGTTCGAGCGCCAAGATCGTGAAGCCCAATGGCGAGAAGCCGGACGA GTTTCGAGTCCGGCATCTCCCAGGCTCTTCTGGAGCTGGAGATGAACTCGGACCTCAAGGC TCAGCTCAGGGAGCTGAATATTACGGCAGCTAAGGAAATGAAGTTGGTGGTGGTTCGGAA AGCTATCATAATCTTTGTTCCCGTTCCTCAACTGAAATCTTCCAGAAAAATCCAAGTCCG GCTAGTACGCGAATTGGAGAAAAAGTTTCAGTGGGAAGCATGTCGTCTTTATCGCTCAGAG GAGAAATTCGCTAAGCCAACTCGAAAAAGCCGTACAAAAAATAAGCAAAAGCGTCCCAG GAGCCGTAATCTGACAGCTGTGCACGATGCCATCCTTGAGGACTTGGTCTTCCCAAGCGA AATTGTGGGCAAGAGAATCCGCGTCAAAGTACTAGATGGCAGCCGGCTCATAAAGTTTCAAT GGACAAAGCACAGCAGAACAAATGTGGAACACAAGGTTGAAACTTTTTCTGGTGTCTATAA GAAGCTCACGGGCAAGGATGTTAATTNTGAATCCAGAGTTTCAATTGTAACAAAAAT GACTAAATAAAAAAGTATATTTACAGTAAAAAAAAAAAAAAAAACTCGACTCTAGATTG CGGCCCGGTCATAGCTGTTTCTGAACAGACCCGGGTGGCATCCCTGTGACCCCTNCCC AGTGCCTCTCCTGGCCNTGGNAGTGCACATNCAGTGCCACAGCCTTGCTCATAAATAAA GTGCTCATTTGCTGACTAGTGTCTTAAATATGTGGNGGGGGGGGTTTTAAAAAACA GGG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001011 unedited</p> <pre>GTACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTACTGTGAATATATA CTTTTTATTTAGTCATTTTTGTTTACAATTGAAACTCTGGGAATCAAAAATTAACATCCT TGCCCGTAGCTTCTTATAGACACCAGAAAAAGTTTCAACCTTGTGTTCCACATTGTTCT GCTGTGCTTTGTCCAATGAACCTTTATGAGCCGGCTGCCATCTAGTTTGACGCGGATTC TCTTGCCACAATTTGCTTGGGAAGACCAAGTCTCAAGGATGGCATCGTGCACAGCTG TCAGAGTACGGCTCCTGGGACGCTTTTGCTTATTTTTGTACGGCTTTTTCGAGTTGGCT TAGGCAGAATTCCTCTGAGCGATAAAGACGACATGCTTCCCACTGAACTTTTTCTCCA ATTCGCGTACTAGCCGACTTGGATTTTCTGGAAGATTTTCAGTTGAGGAACGGGAACAA AGATTATGATAGCTTTCCGACCACCACCAACTTCAATTTCTTAGCTGCCGTAATATTCA GCTCCCTGAGCTGAGCCTTGAGGTCGAGTTTCACTCCAGCTCCAGAAGAGCCTGGGAGA TGCCGGACTCGAACTCGTCCGGCTTCTCGCCATTGGGCTTACGATCTTGGCGCTCGAAC TGAACATGGCTTTCTCCTGGGAGAACTTGCCCTCGTCCGAATTCGCGCCGNCCTATAG TGAGTCGTATTACAAAAATCTGACGGTTACTAAACGAGCTCTGCTTATATAGACCTNCC ACCGTACACGCCTACCGNCCATTTGCGTACGGGGCGNGTTATTACGACATTTTGAAAA GTCCGTTGATTNTGGTGAAAACAACTCCCATGACGTCATGGGGTGGAGACTTGAAATC N</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001011
Insert Size:	610 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_001011.3](#), [NP_001002.1](#)

RefSeq Size: 745 bp

RefSeq ORF: 585 bp

Locus ID: 6201

UniProt ID: [P62081](#)

Cytogenetics: 2p25.3

Domains: Ribosomal_S7e

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 40S subunit. The protein belongs to the S7E family of ribosomal proteins. It is located in the cytoplasm. 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]