

Product datasheet for **SC119529**

RPS19 (NM_001022) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS19 (NM_001022) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS19
Synonyms:	DBA; DBA1; eS19; LOH19CR1; S19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119529 sequence for NM_001022 edited (data generated by NextGen Sequencing)

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ATGCCTGGAGTTACTGTAAAAGACGTGAACCAGCAGGAGTTCGTGAGCTCTGGCAGCC
TTCCTCAAAAAGTCCGGGAAGCTGAAAGTCCCCGAATGGGTGGATACCGTCAAGCTGGCC
AAGCACAAAGAGCTTGCTCCCTACGATGAGAACTGGTTCTACACGCGAGCTGCTCCACA
GCGCGGCACCTGTACCTCCGGGGTGGCGCTGGGGTTGGCTCCATGACCAAGATCTATGGG
GGACGTCAGAGAAACGGCGTCATGCCAGCCACTTCAGCCGAGGCTCCAAGAGTGTGGCC
CGCCGGGTCTCCAAGCCCTGGAGGGGCTGAAAATGGTGGAAAAGGACCAAGATGGCGGC
CGCAAACCTGACACCTCAGGGACAAAGAGATCTGGACAGAATCGCCGGACAGGTGGCAGCT
GCCAACAAAGAAGCATTAG
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Clone variation with respect to NM_001022.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001022 unedited NGGTCAAATTTGTATACGACTCTATAGGGCGGCCGCGAATTCGCACGAGGCCTCGTGC CGAATTCGGCAGCAGGGGTGGCGCCCGGNAACCCCGTCTTCCCTTTCCCTGGCTGG CAGCGCGAGGCCGCACGATGCCTGGAGTACTGTAAAAGACGTGAACCAGCAGGAGTTC GTCAGAGCTCTGGCAGCCTTCTCAAAAAGTCCGGGAAGCTGAAAGTCCCGAATGGGTG GATACCGTCAAGCTGGCAAGCACAAGAGCTTGTCCCTACGATGAGAACTGGTTCTAC ACGCGAGCTGCTCCACAGCGCGGCACCTGTACCTCCGGGGTGGCGCTGGGGTTGGCTCC ATGACCAAGATCTATGGGGGACGTGAGAGAAACGGCGTCATGCCAGCCACTTCAGCCGA GGCTCCAAGAGTGTGGCCCGCCGGTCTCCAAGCCCTGGAGGGGCTGAAAATGGTGAA AAGGACCAAGATGGCGGCCGAACTGACACCTCAGGGACAAAGAGATCTGGACAGAATC GCCGGACAGGTGGCAGCTGCCAACAAGAAGCATTAGAACAACCATGCTGGGTTAATAAA TTGCTCATTTCGTAATAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGTATA GCTGTTTCTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTCTG GCCCTGNGAAGTCCACTCCAGTCCCACCAGCCTTGCTTAATAAAATTAAGTTGCATC ATTNTGTCTGACTAGGTGCTTCTTAATATTATGGGTGAGNGGGGGGNTTNTTACC AACGGGGCACATTTGAAAAAAACCTTTGGGCCCGGGGGTATTGGGACCAACTTGG GGGCCTG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001022 unedited CTAGAGTCGAGTTTTTTTTTTTTTTTTTACGAATGAGGCAATTTATTAACCCAGCATGG TTTGTTCTAATGCTTCTTGTGGCAGCTGCCACCTGTCCGGCATTCTGTCCAGATCTCT TTGTCCCTGAGGTGTGAGTTTGGCGCCGCATCTTGGTCTTTTCCACATTTTCAGCCC CTCCAGGGCTTGGAGACCCGGCGGCCACACTTTGGAGCCTCGGCTGAAGTGGCTGGG CATGACGCGTTTTCTCTGACGTCCCCATAGATCTTGGTCATGGAGCCAACCCAGCGCC ACCCCGGAGGTACAGGTCCCGCTGTGGAAGCAGCTCGCGTGTAGAACCAGTTCTCATC GTAGGGAGCAAGCTCTTTGTGCTTGCCAGCTTACCGGTATCCACCCATTCGGGGACTTT CAGTTCCCGACTTTTTGAGGAAGGCTGCCAGAGCTCTGACGAACCTCTGCTGGTTTAC GTCTTTACAGTAACTCCAGGCATCGTGCGCCCTCCGCGTGCAGCCAGGGGAAAGGGA ACGACGGGGTTTTCCGGGCGCACCTCGTGCCGATTCCGGCAGGAGCCTCGTGCCGAATT CCGGCCGCCCTATGTGAGTCTATTACAAATCTGACGGTACTAACCCAGCTCTGTTATTA GACTCCCACCCGCTACCCGCTTTTGTCTAACGGGGGGGTTTTACCACCTCTGAA GCCCGTTGTTTGGGGCAAAACAATCCCTTGGCCTATGGGGGGGACTTGAAACCCGCTG GTTCAACGTTTTCCCCCTTGGGGCCGGCAACCCCTCCCTGGGAAACCGGCCATCCCTA ATCCCCCCTCGAAAACCCAGGGCTTCCGGCATTGACAGGGCTTTTCGTTTTGCCCA AGGGGCCCTGTTTTATACTTTTTCTCCAGGGCTTCCCGTACCTCCCTTGGAGTCC TCGGCTCGGACTC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001022
Insert Size:	450 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_001022.3 , NP_001013.1
RefSeq Size:	872 bp
RefSeq ORF:	438 bp
Locus ID:	6223
UniProt ID:	P39019
Cytogenetics:	19q13.2
Domains:	Ribosomal_S19e
Protein Families:	Druggable Genome
Protein Pathways:	Ribosome
Gene Summary:	<p>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 S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients. This suggests a possible extra-ribosomal function for this gene in erythropoietic differentiation and proliferation, in addition to its ribosomal function. Higher expression levels of this gene in some primary colon carcinomas compared to matched normal colon tissues has been observed. 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]</p>