

## Product datasheet for **SC200141**

### **RPS19 (NM\_001022) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	RPS19 (NM_001022) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RPS19
Synonyms:	DBA; DBA1; eS19; LOH19CR1; S19
ACCN:	NM_001022
Insert Size:	1578 bp



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**Insert Sequence:** >SC200141 3'UTR clone of NM\_001022  
 The sequence shown below is from the reference sequence of NM\_001022. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGGTGGCAGCTGCCAACAGAAGCATTAGAACAAACCATGCTGGGTTAATAAATTGCCTCATTCTGTA
TCCTGGTCTGGTCTCTTTTTGAGTCTTTGCTCTGTCGCCAGGCTGGAGTGCAGTGGCGCCATCTC
AGCTCACTGCAATCTCCGCCCTTCTGGGTTCAAATGATTCTCCTGCCTCAGCCTCCCAAAGTCTGGGAT
TACAAGTGTGAGCCACTGTGCCTGGTCTGGTTGGGTCTTTGATTGTTCTTCAGGGCATGAGGAAGA
GGCGCTTCTCCCTTCCCTTGGGTGAGGGGGCCAGGGTATTGGGTGGCTGTTACCCGGCAGCCAGT
CGGGCCTTCCAGGTCAAACAGTCCCCTCTGGGTTTGGAGGAAGGACCCAGGGGCCCTTGTGGCTCAC
TCCCCACATCCTGTCTTTGCAATTGTGAGAAAGTGAAGAACGAAAGGATGGCTGTGAGCTGTGACCTC
AGCTGGGCTGGGCTGCAGAGGTGGCTTCCGCTGGAGTAAAGCAAGAGGGCCAGGGTTCATGCTCTTC
CCTGGAAGGTAGAAAAGGACAGACCACAGGGAGCCTCCACCGCAAAGTACCTGTGCTGCCTACACAC
TAACCTTCTGGGCTGGGGCTGCACAGGCTGAATGGTCTTGGAGCTTCACTCTGCATCTGAGCGGT
CTTGGGCCCGCTGAGTGGCAGTGGCAGGAAGTCCGTGGAAGCAGATCCCTGTGCAGAAGTTGAATTACC
AGGGCGGCCACACACGGGCTGCACAACCTTTGCAGTCGTGCACGGCAAGTGGGATGTGGCCTCCGCCCA
TGATTGGGCACCTGGTCAAGGCTGGGAGATCCAAATAGCACCCAGTGGGCAGCTGTCCGACCCCTGGAGG
GGCAAGCCAGGAAAGAACTTAGGGCCCGCTGTGACCAGATGTCCCTCCAGTTGGGAAGACTAACTG
GTTTGGCAATATCTCCAGGATTTCCCTGTCCAAATTTCTGGGATCTGACCCATTTCTGGAAG
GGCGAGCCTGGGTTTTGAAGTTCAAAGTAAATCACAAGTCTGCCCCTAATCCACGTAACC
CTGTGCACCTTATCCTCTGAGCCTTCGTCTCCTCGTGTGTAAGCCTGCTAACTCCTGAGAGACTGGACA
AGATGCCGTGGAGAGCCTTGGCTCTGAGTAGTCTGCTGCTGGACAGTTAGTTGGCAGTCCCAAACG
TAAGGCGTAAGAGTTAAGAAGTATCGGCCAGGCACAGTGGCTCACACCTGTAATCTCAACACTTTGGG
AGGCCGAGACGGGCTGATCACCTGAGGTTGGGAGCTTGAGAACAGCCTGACCAACATGGAGAAACCTG
TCTCTAAAAATACAAAATAGTTGGGCATGGTGGCGGCACCTGTAATCCAGCTACTCAGGAGGCTG
AGGCAGAAAGATCGCTCGAACCCCGAGGGCGAGGTTGCAGTGGGTTGAGATCGAGCAATTGCAATCCA
GCCTGGGCAACAGAGCGAGACTCCATTTCAAAAAAGAATCAATAAAAAATGTTAAAAGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001022.4](#)

**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 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]

**Locus ID:**

6223

**MW:**

57.5