

## RPS17 cDNA

Catalog Number: ATGD0478

### PRODUCT INFORMATION

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**Catalog number**

ATGD0478

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001012.1

**Alternative Names**

DBA4, RPS17L, RPS17L1, RPS17L2, S17

**mRNA Refseq**

NM\_001021.4

**OMIM**

180472

**Chromosome location**

15q

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

408bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

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RPS17 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S17E family of ribosomal proteins and is located in the cytoplasm. Mutations in RPS17 cause Diamond-Blackfan anemia 4. Alternative splicing of this gene results in multiple transcript variants. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of RPS17 dispersed through the genome

### DATA

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#### Sequence nucleotides

```
ATGGGCCGCGTTTCGCACCAAACCGTGAAGAAGGCGGCCCGGGTTCATCATAGAAAAGTACTACACGCGCCTGGGCAACGA  
CTTCCACACGAACAAGCGCGTGTGCGAGGAGATCGCCATTATCCCCAGCAAAAAGCTCCGCAACAAGATAGCAGGTTATGT  
CACGCATCTGATGAAGCGAATTCAGAGAGGCCAGTAAGAGGTATCTCCATCAAGCTGCAGGAGGAGGAGAGAGAAAGGA  
GAGACAATTATGTTCTGAGGTCTCAGCCTTGGATCAGGAGATTATTGAAGTAGATCCTGACACTAAGGAAATGCTGAAGCT  
TTTGGACTTCGGCAGTCTGTCCAACCTTCAGGTCACTCAGCCTACAGTTGGGATGAATTTCAAACGCCTCGGGGACCTGTT  
TGA
```

#### Transaction Sequence

```
MGRVRTKTVK KAARVIIKEY YTRLGNDFHT NKRVC EEI AI IPSKCLR NKI AGYVTHLMKRIQRGPV RGIS IKLQEEERER  
RDNYVPEVSA LDQEII E VDP DTKEMLKLLD FGSLSNLQVTQPTVGMNFKT PRGPV
```