

RPS17 cDNA

Catalog Number: ATGD0478

PRODUCT INFORMATION

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

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

Sequence nucleotides

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

Transaction Sequence

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