

## RPS10 cDNA

Catalog Number: ATGD0402

### PRODUCT INFORMATION

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**Catalog number**

ATGD0402

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001190174.1

**Alternative Names**

DBA9, S10

**mRNA Refseq**

NM\_001203245.2

**OMIM**

603632

**Chromosome location**

6p21.31

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

498bp

**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**

# RPS10 cDNA

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RPS10 is a ribosomal protein that is a component of the 40S subunit and belongs to the S10E family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. Alternate splicing results in multiple transcript variants that encode the same protein.

## DATA

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### Sequence nucleotides

```
ATGTTGATGCCTAAGAAGAACCGGATTGCCATTTATGAACTCCTTTTTAAGGAGGGAGTCATGGTGGCCAAGAAGGATGTCC
ACATGCCTAAGCACCCGGAGCTGGCAGACAAGAATGTGCCAACCTTCATGTCATGAAGGCCATGCAGTCTCTCAAGTCCC
GAGGCTACGTGAAGGAACAGTTTTGCCTGGAGACATTTCTACTGGTACCTTACCAATGAGGGTATCCAGTATCTCCGTGATTA
CCTTCATCTGCCCCCGGAGATTGTGCCTGCCACCCTACGCCGTAGCCGTCCAGAGACTGGCAGGCCTCGGCCTAAAGGTCT
GGAGGGTGAGCGACCTGCGAGACTCACAAGAGGGGAAGCTGACAGAGATACCTACAGACGGAGTGCTGTGCCACCTGGT
GCCGACAAGAAAGCCGAGGCTGGGGCTGGGTCAGCAACCGAATTCCAGTTTAGAGGGCGGATTTGGTCGTGGACGTGGTCA
GCCACCTCAGTAA
```

### Transaction Sequence

```
MLMPKKNRIA IYELLFKEGV MVAKKDVHMP KHP ELADKNV PNLHVMKAMQ SLKSRGYVKE QFAWRHFYWY LTNEGIQYLR
DYLHLPPEIV PATLRRSRPE TGRPRPKGLE GERPARLTRG EADRDTYRRS AVPPGADKKA EAGAGSATEF QFRGGFGRGR
GQPPQ
```