

## RPS7 cDNA

Catalog Number: ATGD0037

### PRODUCT INFORMATION

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**Catalog number**

ATGD0037

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001002.1

**Alternative Names**

DBA8, S7

**mRNA Refseq**

NM\_001011.3

**OMIM**

603658

**Chromosome location**

2p25

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

585bp

**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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RPS7 belongs to the S3P family of ribosomal proteins and is located in the cytoplasm. RPS7 may play a role in ribosomal stress, linking ribosome biogenesis to cell death or cell cycle arrest. Also, RPS7 interacts with MDM2 and is believed to negatively regulate the MDM2-mediated degradation of p53.

## DATA

### Sequence nucleotides

```
ATGTTTCAGTT CGAGCGCCAA GATCGTGAAG CCAATGGCG AGAAGCCGGA CGAGTTCGAG TCCGGCATCT
CCCAGGCTCT TCTGGAGCTG GAGATGAACT CGGACCTCAA GGCTCAGCTC AGGGAGCTGA ATATTACGGC
AGCTAAGGAA ATTGAAGTTG GTGGTGGTTCG GAAAGCTATC ATAATCTTTG TTCCC GTTCC TCAACTGAAA
TCTTTCCAGA AAATCCAAGT CCGGCTAGTA CGCGAATTGG AGAAAAAGTT CAGTGGGAAG CATGTCGTCT
TTATCGCTCA GAGGAGAATT CTGCCTAAGC CAACTCGAAA AAGCCGTACA AAAAATAAGC AAAAGCGTCC
CAGGAGCCGT ACTCTGACAG CTGTGCACGA TGCCATCCTT GAGGACTTGG TCTTCCAAG CGAAATTGTG
GGCAAGAGAA TCCGCGTCAA ACTAGATGGC AGCCGGCTCA TAAAGGTTCA TTTGGACAAA GCACAGCAGA
ACAATGTGGA ACACAAGGTT GAAACTTTTT CTGGTGTCTA TAAGAAGCTC ACGGGCAAGG ATGTTAATTT
TGAATTCCCA GAGTTTCAAT TGTA
```

### Transaction Sequence

```
MFSSSAKIVK PNGEKPDEFE SGISQALLEL EMNSDLKAQL RELNITAAKE IEVGGGRKAI IIFVPVPQLK SFQKIQVRLV
RELEKKFSGK HVVFIAQRRI LPKPTRKSRT KNKQKRPRSR TLTA VHDAI L EDLVFPSEIV GKRI RVKLDG SRLIKVHLDK
AQQNNVEHKV ETFSGVYKKL TGKDVNFEFP EFQL
```