

## RPS14 cDNA

Catalog Number: ATGD0022

### PRODUCT INFORMATION

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**Catalog number**

ATGD0022

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001020242.1

**Alternative Names**

EMTB, S14

**mRNA Refseq**

NM\_001025071.1

**OMIM**

130620

**Chromosome location**

5q31-q33

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

456bp

**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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Ribosomal protein S14, also known as RPS14, is a ribosomal protein. Ribosomes, the organelles that catalyze protein synthesis, are composed of a small subunit and a large subunit that consist of over 80 distinct ribosomal proteins. RPS14 is a component of the 40S subunit that localized to the cytoplasm

### DATA

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#### Sequence nucleotides

```
ATGGCACCTC GAAAGGGGAA GGAAAAGAAG GAAGAACAGG TCATCAGCCT CGGACCTCAG GTGGCTGAAG
GAGAGAATGT ATTTGGTGTC TGCCATATCT TTGCATCCTT CAATGACACT TTTGTCCATG TCACTGATCT TTCTGGCAAG
GAAACCATCT GCCGTGTGAC TGGTGGGATG AAGGTAAAGG CAGACCGAGA TGAATCCTCA CCATATGCTG
CTATGTTGGC TGCCCAGGAT GTGGCCCAGA GGTGCAAGGA GCTGGGTATC ACCGCCCTAC ACATCAAAC
CCGGGCCACA GGAGGAAATA GGACCAAGAC CCCTGGACCT GGGGCCCAGT CGGCCCTCAG AGCCCTTGCC
CGCTCGGGTA TGAAGATCGG GCGGATTGAG GATGTCACCC CCATCCCCTC TGACAGCACT CGCAGGAAGG
GGGTCGCCG TGGTCGCCGT CTGTGA
```

#### Transaction Sequence

```
MAPRKGKEKK EEQVISLGPQ VAEGENVFGV CHIFASFNDT FVHVTDLGK ETICRVTTGGM KVKADRDESS PYAAMLAAQD
VAQRCKELGI TALHIKLRAT GGNRTKTPGP GAQSALRALA RSGMKIGRIE DVTPIPSDST RRGGRRRRR L
```