

## RPS24 cDNA

Catalog Number: ATGD0481

### PRODUCT INFORMATION

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**Catalog number**

ATGD0481

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_148982.1

**Alternative Names**

DBA3, S24

**mRNA Refseq**

NM\_033022.3

**OMIM**

602412

**Chromosome location**

10q22

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

393bp

**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**

## RPS24 cDNA

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40S ribosomal protein S24 isoform a, also known as RPS24, belongs to the S24E family of ribosomal proteins. It is located in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Mutations in this gene result in Diamond-Blackfan anemia.

### DATA

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#### Sequence nucleotides

```
ATGAACGACACCGTAACTATCCGCACTAGAAAGTTCATGACCAACCGACTACTTCAGAGGAAACAAATGGTCATTGATGTCC
TTCACCCCGGGAAGGCGACAGTGCCTAAGACAGAAATTCGGGAAAACTAGCCAAAATGTACAAGACCACACCGGATGTCA
TCTTTGTATTTGGATTTCAGAACTCATTTTGGTGGTGGCAAGACAACCTGGCTTTGGCATGATTTATGATTCCTGGATTATGCA
AAGAAAAATGAACCCAAACATAGACTTGCAAGACATGGCCTGTATGAGAAGAAAAAGACCTCAAGAAAGCAACGAAAGGAA
CGCAAGAACAGAATGAAGAAAGTCAGGGGGACTGCAAAGGCCAATGTTGGTGCTGGCAAAAAGTGA
```

#### Transaction Sequence

```
MNDTVTIRTR KFMTNRLLQR KQMVIDVLHP GKATVPKTEI REKLAKMYKT TPDVIVVFGFRTHFGGGKTT GFGMIYDSL
YAKKNEPKHR LARHGLYEKK KTSRKQRKER KNRMKKVRGTAKANVGAGKK
```