

RPS13 cDNA

Catalog Number: ATGD0436

PRODUCT INFORMATION

Catalog number

ATGD0436

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001008.1

Alternative Names

S13

mRNA Refseq

NM_001017.2

OMIM

180476

Chromosome location

11p15

PRODUCT SPECIFICATION

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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RPS13 is a ribosomal protein that is a component of the 40S subunit and belongs to the S15P family of ribosomal proteins. It is located in the cytoplasm. The protein has been shown to bind to the 5. 8S rRNA in rat. It is co-transcribed with two U14 small nucleolar RNA genes, which are located in its third and fifth introns.

DATA

Sequence nucleotides

```
ATGGGTCGCATGCATGCTCCCGGGAAGGGCCTGTCCCAGTCGGCTTTACCCTATCGACGCAGCGTCCCCACTTG GTTGAAG
TTGACATCTGACGACGTGAAGGAGCAGATTTACAACTGGCCAAGAAGGGCCTTACTCCTTCACAGATCGGTGTAATCCTGA
GAGATTCACATGGTGTTGCACAAGTACGTTTTGTGACAGGCAATAAAATTTTAAGAATTCTTAAGTCTAAGGGACTTGCTCCT
GATCTTCCTGAAGATCTCTACCATTTAATTAAGAAAGCAGTTGCTGTTTGAAAGCATCTTGAGAGGAACAGAAAGGATAAGG
ATGCTAAATTCCGTCTGATTCTAATAGAGAGCCGGATTACCGTTTGGCTCGATATTATAAGACCAAGCGAGTCCTCCCTCC
CAATTGGAAATATGAATCATCTACAGCCTCTGCCCTGGTCGCATAA
```

Transaction Sequence

```
MGRMHAPGKG LSQSALPYRR SVPTWLKLTS DDVKEQIYKL AKKGLTPSQI GVILRDSHGV AQVRFVTGNK ILRILKSKGL
APDLPEDLYH LIKKAVAVRK HLERNRKDKD AKFRLILIES RIHRLARYYK TKRVLPPNWK YESSTASALV A
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