

RPS5 cDNA

Catalog Number: ATGD0334

PRODUCT INFORMATION

Catalog number

ATGD0334

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001000.2

Alternative Names

S5

mRNA Refseq

NM_001009.3

OMIM

603630

Chromosome location

19q13.4

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

615bp

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

RPS5 cDNA

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RPS5 encodes a ribosomal protein that is a component of the 40S subunit. It belongs to the S7P family of ribosomal proteins and 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. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

DATA

Sequence nucleotides

```
ATGACCGAGTGGGAGACAGCAGCACCAGCGGTGGCAGAGACCCCAGACATCAAGCTCTTTGGGAAGTGGAGCACCGATGA
TGTGCAGATCAATGACATTTCCCTGCAGGATTACATTGCAGTGAAGGAGAAGTATGCCAAGTACCTGCCTCACAGTGCAGG
GCGGTATGCCGCCAAACGCTTCCGCAAAGCTCAGTGTCCCATTTGTGGAGCGCCTCACTAACTCCATGATGATGCACGGCCG
CAACAACGGCAAGAAGCTCATGACTGTGCGCATCGTCAAGCATGCCTTCGAGATCATAACCTGCTCACAGGCGGAGAACCC
TCTGCAGGTCCTGGTGAACGCCATCATCAACAGTGGTCCCCGGGAGGACTCCACACGCATTGGGCGCGCCGGGACTGTGA
GACGACAGGCTGTGGATGTGTCCCCCCTGCGCCGTGTGAACCAGGCCATCTGGCTGCTGTGCACAGGCGCTCGTGAGGCT
GCCTTCCGGAACATTAAGACCATTGCTGAGTGCCTGGCAGATGAGCTCATCAATGCTGCCAAGGGCTCCTCGAACTCCTAT
GCCATTAAGAAGAAGGACGAGCTGGAGCGTGTGGCCAAGTCCAACCGCTGA
```

Transaction Sequence

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MTEWETAAPA VAETPDIKLF GKWSTDDVQI NDISLQDYIA VKEYYAKYLP HSAGRYAAKR FRKAQCPIVE RLNSMMMHHG
RNNGKKLMTV RIVKHAFEI HLLTGENPLQ VLVNAIINSG PREDSTRIGR AGTVRRQAVD VSPLRRVNQA IWLLCTGARE
AAFRNIKTIA ECLADELINA AKGSSNSYAI KKKDELERVA KSNR
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