

RPS19 cDNA

Catalog Number: ATGD0472

PRODUCT INFORMATION

Catalog number

ATGD0472

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001013.1

Alternative Names

DBA, DBA1, S19

mRNA Refseq

NM_001022.3

OMIM

603474

Chromosome location

19q13.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

438bp

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

RPS19 cDNA

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RPS19 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients.

DATA

Sequence nucleotides

```
ATGCCTGGAGTTACTGTAAAAGACGTGAACCAGCAGGAGTTCGTCTCAGAGCTCTGGCAGCCTTCTCAAAAAGTCCGGGAAG
CTGAAAGTCCCCGAATGGGTGGATACCGTCAAGCTGGCCAAGCACAAAGAGCTTGCTCCCTACGATGAGAACTGGTTCTAC
ACGCGAGCTGCTTCCACAGCGCGGCACCTGTACCTCCGGGGTGGCGCTGGGGTTGGCTCCATGACCAAGATCTATGGGGG
ACGTCAGAGAAACGGCGTCATGCCAGCCACTTCAGCCGAGGCTCCAAGAGTGTGGCCCGCCGGGTCCTCCAAGCCCTGG
AGGGGCTGAAAATGGTGGAAAAGGACCAAGATGGCGGCCGCAAAGTACACCTCAGGGACAAAGAGATCTGGACAGAATC
GCCGGACAGGTGGCAGCTGCCAACAAGAAGCATTAG
```

Transaction Sequence

```
MPGVTVKDVN QQEFVRALAA FLKKSGLKV PEWVDTVKLA KHKELAPYDE NWFYTRAAST ARHLYLRGGA GVGSMTKIYG
GRQRNGVMPS HFSRGSKVA RRVLQALEGL KMVEKDQDGG RKLTPQGQRD LDRIAGQVAA ANKKH
```