

MRPS25 cDNA

Catalog Number: ATGD0397

PRODUCT INFORMATION

Catalog number

ATGD0397

Product type

cDNA

Species

Human

NCBI Accession No.

NP_071942.1

Alternative Names

MRP-S25, RPMS25, S25mt

mRNA Refseq

NM_022497.3

OMIM

611987

Chromosome location

3p25

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

522bp

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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MRP-S25 (mitochondrial 28S ribosomal protein S25), also known as S25mt, is a 173 amino acid mitochondrial ribosomal protein belonging to the ribosomal protein S25/L51 family. Localized to mitochondria, MRP-S25 is present in the 28S subunit of the mitoribosomes.

DATA

Sequence nucleotides

```
ATGCCCATGAAGGGCCGCTTCCCCATCCGCCGCACCCTGCAATATCTGAGCCAGGGGAACGTGGTGTTC AAGGACTCCGTG
AAGGTCATGACAGTGAATTACAACACGCATGGGGAGCTGGGCGAGGGCGCCAGGAAGTTTGTGTTTTTCAACATACCTCAG
ATTCAATACAAAAACCCTTGGGTGCAGATCATGATGTTTAAGAACATGACGCCGTCACCCTTCCTGCGATTCTACTTAGATTCT
TGGGGAGCAGGTCCTGGTGGATGTGGAGACCAAGAGCAATAAGGAGATCATGGAGCACATCAGAAAAATCTTGGGGAAGA
ATGAGGAAACCCTCAGGGAAGAGGAGGAGGAGAAAAAGCAGCTTTCTACCCAGCCAACCTTCGGCCCTCGAAAGTACTGC
CTGCGGGAGTGCATCTGTGAAGTGGAAGGGCAGGTGCCCTGCCCCAGCCTGGTGCCATTACCCAAGGAGATGAGGGGGA
AGTACAAAGCCGCTCTGAAAGCCGATGCCCAGGACTAA
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Transaction Sequence

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MPMKGRFPPIR RTLQYLSQGN VVFKDSVKVM TVNYNTHGEL GEGARKFVFF NIPQIQYKNP WVQIMMFKNM TPSPFLRFYL
DSGEQVLVDV ETKSNKEIME HIRKILGKNE ETLREEEEEK KQLSHPANFG PRKYCLRECI CEVEGQVPCP SLVPLPKEMR
GKYKAALKAD AQD
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