NKMAXBio We support you, we believe in your research

RPS6 cDNA

Catalog Number: ATGD0036

PRODUCT INFORMATION

Catalog number

ATGD0036

Product type

cDNA

Species

Human

NCBI Accession No.

NP 001001.2

Alternative Names

Ribosomal protein S6, Phosphoprotein NP33

mRNA Refseq

NM_001010.2

OMIM

180460

Chromosome location

9p21

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

750bp

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



NKMAXBio We support you, we believe in your research

RPS6 cDNA

Catalog Number: ATGD0036

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

DATA

Sequence nucleotides

ATGAAGCTGA ACATCTCCTT CCCAGCCACT GGCTGCCAGA AACTCATTGA AGTGGACGAT GAACGCAAAC TTCGTACTTT CTATGAGAAG CGTATGGCCA CAGAAGTTGC TGCTGACGCT CTGGGTGAAG AATGGAAGGG TTATGTGGTC CGAATCAGTG GTGGGAACGA CAAACAAGGT TTCCCCATGA AGCAGGGTGT CTTGACCCAT GGCCGTGTCC GCCTGCTACT GAGTAAGGGG CATTCCTGTT ACAGACCAAG GAGAACTGGA GAAAGAAGA GAAAATCAGT TCGTGGTTGC ATTGTGGATG CAAATCTGAG CGTTCTCAAC TTGGTTATTG TAAAAAAAAGG AGAGAAGGAT ATTCCTGGAC TGACTGATAC TACAGTGCCT CGCCGCCTGG GCCCCAAAAG AGCTAGCAGA ATCCGCAAAC TTTTCAATCT CTCTAAAGAA GATGATGTCC GCCAGTATGT TGTAAGAAAG CCCTTAAATA AAGAAGGTAA GAAACCTAGG ACCAAAGCAC CCAAGATTCA GCGTCTTGTT ACTCCACGTG TCCTGCAGCA CAAACGGCGG CGTATTGCTC TGAAGAAGCA GCGTACCAAG AAAAATAAAG AAGAGGCTGC AGAATATGCT AAACTTTTGG CCAAGAGAAT GAAGGAGGCT AAGGAGAAGC GCCAGGAACA AATTGCGAAG AGACGCAGAC TTTCCTCTCT GCGAGCTTCT ACTTCTAAGT CTGAATCCAG TCAGAAATAA

Transaction Sequence

MKLNISFPAT GCQKLIEVDD ERKLRTFYEK RMATEVAADA LGEEWKGYVV RISGGNDKQG FPMKQGVLTH GRVRLLLSKG HSCYRPRRTG ERKRKSVRGC IVDANLSVLN LVIVKKGEKD IPGLTDTTVP RRLGPKRASR IRKLFNLSKE DDVRQYVVRK PLNKEGKKPR TKAPKIQRLV TPRVLQHKRR RIALKKQRTK KNKEEAAEYA KLLAKRMKEA KEKRQEQIAK RRRLSSLRAS TSKSESSQK

