NHP2 cDNA

Catalog Number: ATGD0172

PRODUCT INFORMATION

Catalog number
ATGD0172

Product type
cDNA

Species
Human

NCBI Accession No.
NP_060308.1

Alternative Names
DKCB2, NHP2P, NOLA2

mRNA Refseq
NM_017838.3

OMIM
606470

Chromosome location
5q35.3

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
462bp

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

NHP2 cDNA

Catalog Number: ATGD0172

NHP2 is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been classified into two families: C/D and H/ACA. The H/ACA snoRNPs also include the DKC1, NOLA1 and NOLA3 proteins. These four H/ACA snoRNP proteins localize to the dense fibrillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. The four H/ACA snoRNP proteins are also components of the telomerase complex. This gene encodes a protein related to Saccharomyces cerevisiae Nhp2p. Alternative splicing results in multiple transcript variants.

DATA

Sequence nucleotides

ATGACCAAAATAAAGGCAGATCCCGACGGGCCCGAGGCTCAGGCGGAGGCGTGTTCCGGGGAGCGCACCTACCAGGAGC
TGCTGGTCAACCAGAACCCCATCGCGCAGCCCCTGGCTTCTCGCCGCCTCACGCGGAAGCTCTACAAATGCATCAAGAAAG
CGGTGAAGCAGAAGCAGATTCGGCGCGGGGTGAAAGAGGTTCAGAAATTTGTCAACAAAGGAGAAAAAGGGATCATGGTT
TTGGCAGGAGACACACTGCCCATTGAGGTATACTGCCATCTCCCAGTCATGTGTGAGGACCGAAATTTGCCCTATGTCTATA
TCCCCTCTAAGACGGACCTGGGTGCAGCCGCAGGCTCCAAGCGCCCCACCTGTGTGATAATGGTCAAGCCCCATGAGGAG
TACCAGGAGGCTTACGATGAGTGCCTGGAGGAGGTGCAGTCCCTGCCCCTACCCCTATGA

Transaction Sequence

MTKIKADPDG PEAQAEACSG ERTYQELLVN QNPIAQPLAS RRLTRKLYKC IKKAVKQKQI RRGVKEVQKF VNKGEKGIMV
LAGDTLPIEV YCHLPVMCED RNLPYVYIPS KTDLGAAAGS KRPTCVIMVK PHEEYQEAYD ECLEEVQSLP LPL