

SNRPG cDNA

Catalog Number: ATGD0250

PRODUCT INFORMATION

Catalog number

ATGD0250

Product type

cDNA

Species

Human

NCBI Accession No.

NP_003087.1

Alternative Names

Sm-G, SMG

mRNA Refseq

NM_003096.2

OMIM

603542

Chromosome location

2p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

231bp

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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Core component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in an heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. Appears to function in the U7 snRNP complex that is involved in histone 3-end processing.

DATA

Sequence nucleotides

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ATGAGCAAAGCTCACCCCTCCCGAGTTGAAAAAATTTATGGACAAGAAGTTATCATTGAAATTAATGGTGGCAGACATGTCC
AAGGAATATTGCGGGGATTTGATCCCTTTATGAACCTTGTGATAGATGAATGTGTGGAGATGGCGACTAGTGGACAACAGA
ACAATATTGGAATGGTGGTAATACGAGGAAATAGTATCATCATGTTAGAAGCCTTGGAACGAGTATAA
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Transaction Sequence

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MSKAHPPELK KFMDKKLSLK LNGGRHVQGI LRGFDPFMNL VIDECEMAT SGQQNNIGMVVIRGNSIIML EALERV
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