

GEMIN7 cDNA

Catalog Number: ATGD0122

PRODUCT INFORMATION

Catalog number

ATGD0122

Product type

cDNA

Species

Human

NCBI Accession No.

NP_078983.1

Alternative Names

SIP3

mRNA Refseq

NM_024707.2

OMIM

607419

Chromosome location

19q13.32

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

396bp

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

GEMIN7 cDNA

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GEMIN7 encoded by this gene is a component of the core SMN complex, which is required for pre-mRNA splicing in the nucleus. The encoded protein is found in the nucleoplasm, in nuclear gems (Gemini of Cajal bodies), and in the cytoplasm. Three transcript variants encoding the same protein have been found for this gene.

DATA

Sequence nucleotides

```
ATGCAAACCTCCAGTGAACATTCCCGTGCCTGTGCTCCGGCTGCCCCGGGGCCCTGATGGCTTCAGCCGTGGCTTTGCCCCCT
GATGGACGCAGAGCCCCCTTGAGGCCAGAGGTTCTTGAAATCCAGGAGTGTCCCATAGCTCAAGAATCCCTGGAATCCCAG
GAGCAGCGGGCACGAGCCGCCCTTCGGGAGCGTTACCTCCGCAGCCTGCTGGCCATGGTGGGTCATCAGGTGAGCTTCAC
GTTGCACGAGGGTGTGCGTGTGGCCGCCCACTTTGGAGCCACCGACCTGGATGTGGCCAACTTCTACGTGTCACAGCTGCA
GACTCCCATAGGTGTGCAAGCAGAGGCGCTGCTCCGATGTAGTGACATTATTCATATACCTTCAAGCCATAA
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Transaction Sequence

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MQTPVNIPVP VLRLPRGPDG FSRGFAPDGR RAPLRPEVPE IQECPIAQES LESQEQRARA ALRERYLRSL LAMVGHQVSF
TLHEGVRVAA HFGATDLDDVA NFYVSQLQTP IGVQAEALLR CSDIISYTFK P
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