

PSMD9 cDNA

Catalog Number: ATGD0309

PRODUCT INFORMATION

Catalog number

ATGD0309

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002804.2

Alternative Names

p27, Rpn4

mRNA Refseq

NM_002813.6

OMIM

603146

Chromosome location

12q24.31-q24.32

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

672bp

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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PSMD9 acts as a chaperone during the assembly of the 26S proteasome, specifically of the base subcomplex of the PA700/19S regulatory complex (RC). During the base subcomplex assembly is part of an intermediate PSMD9:PSMC6:PSMC3 module, also known as modulator trimer complex; PSMD9 is released during the further base assembly process.

DATA

Sequence nucleotides

```
ATGTCCGACGAGGAAGCGAGGCAGAGCGGAGGCTCCTCGCAGGCCGGCGTCGTGACTGTCAGCGACGTCCAGGAGCTGA
TGCGGGCGCAAGGAGGAGATAGAAGCGCAGATCAAGGCCAACTATGACGTGCTGGAAAGCCAAAAAGGCATTGGGATGAAC
GAGCCGCTGGTGGACTGTGAGGGCTACCCCGGTCAGACGTGGACCTGTACCAAGTCCGCACCGCCAGGCACAACATCAT
ATGCCTGCAGAATGATCACAAGGCAGTGATGAAGCAGGTGGAGGAGGCCCTGCACCAGCTGCACGCTCGCGACAAGGAGA
AGCAGGCCCCGGGACATGGCTGAGGCCACAAAGAGGCCATGAGCCGCAAACCTGGGTCAGAGTGAGAGCCAGGGCCCTCC
ACGGGCCTTCGCCAAAGTGAACAGCATCAGCCCCGGCTCCCCAGCCAGCATCGCGGGTCTGCAAGTGGATGATGAGATTG
TGGAGTTCGGCTCTGTGAACACCCAGAACTTCCAGTCACTGCATAACATTGGCAGTGTGGTGCAGCACAGTGAGGGGAAGC
CCCTGAATGTGACAGTGATCCGCAGGGGGGAAAAACACCAGCTTAGACTTGTCCAACACGCTGGGCAGGAAAAGGACTG
CTGGGCTGCAACATTATTCTCTGCAAAGATGA
```

Transaction Sequence

```
MSDEEARQSG GSSQAGVTV SDVQELMRRK EEIEAQIKAN YDVLESQKGI GMNEPLVDCEGYPRSDVDLY QVRTARHNII
CLQNDHKAVM KQVEEALHQL HARDKEKQAR DMAEAHKEAMSRKLGQSESQ GPPRAFAKVN SISPGSPASI AGLQVDDEIV
EFGSVNTQNF QSLHNIGSVVQHSEGKPLNV TVIRRGEKHQ LRLVPTRWAG KLLGNCNIIP LQR
```