

## PSMD9 cDNA

Catalog Number: ATGD0309

### PRODUCT INFORMATION

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**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

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**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**

# PSMD9 cDNA

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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

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### 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
```