

PSMG3 cDNA

Catalog Number: ATGD0098

PRODUCT INFORMATION

Catalog number

ATGD0098

Product type

cDNA

Species

Human

NCBI Accession No.

NP_115678.1

Alternative Names

C7orf48, PAC3

mRNA Refseq

NM_032302.3

OMIM

Chromosome location

7p22.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

369bp

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

PSMG3 is a chaperone protein which promotes assembly of the 20S proteasome. This protein may cooperate

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with PSMG1-PSMG2 heterodimers to orchestrate the correct assembly of proteasomes. It interacts with PSMG4, as well as directly alpha and beta subunits of the 20S proteasome but dissociates before the formation of half-proteasomes, probably upon recruitment of POMP.

DATA

Sequence nucleotides

```
ATGGAAGACA CGCCGTTGGT GATATCGAAG CAGAAGACGG AGGTGGTGTG CGGGGTCCCC ACCCAGGTGG
TGTGTACGGC CTTACAGCAGT CACATCCTGG TGGTGGTGAC CCAGTTTGGG AAGATGGGCA CCCTGGTCTC
CCTGGAGCCC AGCAGCGTGG CCAAGTGACGT CAGCAAGCCT GTGCTACCA CAAAAGTCCT TCTGGGGCAG
GATGAGCCTC TCATCCATGT CTTTGCAAAG AACCTGGTAG CGTTTGTGTC TCAAGAAGCT GGAAACAGAG
CAGTCCTCCT CGCCGTGGCC GTGAAGGACA AAAGCATGGA GGGGCTGAAG GCGCTGAGGG AGGTGATCCG
GGTGTGCCAG GTGTGGTGA
```

Transaction Sequence

```
MEDTPLVISK QKTEVVCVGP TQVVCTAFSS HILVVVTQFG KMGTLSLEP SSVASDVSKP VLTTKVLLGQ DEPLIHVFAK
NLVAFVSQEA GNRAVLLAVA VKDKSMEGLK ALREVIRVCQ VW
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