

Product datasheet for **RC225070**

PSMG4 (NM_001128591) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PSMG4 (NM_001128591) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PSMG4
Synonyms: bA506K6.2; C6orf86; PAC4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225070 representing NM_001128591
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGGGGCTGGTTGTCGCCGCCGGGGGACGTCTCCCTGCACAACTTCAGCGCGAGGCTGTGGGAGC
 AGCTGGTCCACTTCCACGTCATGCGGCTGACGGACTCGCTGTTCTGTGGGTGGGGGCCACGCCGACCT
 GCGCAACCTCGCCGTGGCCATGTGCAGCCGCTACGACTCCATCCCCGTGTCTACCTCCCTCCTTGGAGAC
 ACTTCCGACACGACCTCTACTGGCCTTGCCAGCGCCTAGCCAGGAAGACCAACAAACAGGTGTTTGTC
 GCTATAACCTTCAGAACACAGACAGTAACCTTCGATTACTGTAGAAAACAGGATCAAGGAAGAGATGGA
 GGCTTTCCCCGAAAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225070 representing NM_001128591
 Red=Cloning site Green=Tags(s)

MEGLVVAAGGDVSLHNFSARLWEQLVHFHVMRLTDSLFLWVGATPHLRNLAVAMCSRYDSIPVSTSLGDD
 TSDTTSTGLAQLARKTNKQVFVSYNLQNTDSNFALLVENRIKEEMAEFPEKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM 001128591

ORF Size: 369 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

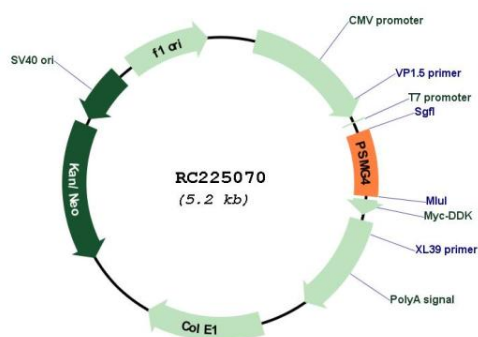
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001128591.2](#)

RefSeq ORF: 372 bp

Locus ID:	389362
UniProt ID:	Q5JS54
Cytogenetics:	6p25.2
MW:	13.6 kDa
Gene Summary:	Chaperone protein which promotes assembly of the 20S proteasome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225070