

Product datasheet for **RC232696**

PSMD11 (NM_001270482) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD11 (NM_001270482) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PSMD11
Synonyms:	p44.5; Rpn6; S9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC232696 representing NM_001270482
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCGGGCGGGTGGTGGAGTTCCAGAGAGCCAGTCTCTACTCAGCACCGACCGGGAGGCCTCCA
 TCGACATCCTCCACTCCATCGTGAAGCGTGACATTCAGGAAAACGATGAAGAGGCAGTGAAGTCAAAGA
 GCAGAGCATCCTGGAAGTGGGATCTCTCTGGCAAAGACTGGACAAGCTGCAGAGCTGGAGGACTCCTG
 AAGTATGTACGACCCTTCTTGAATTCATCAGCAAAGGCTAAAGCAGCTCGCCTGGTCCGATCTCTTCTTG
 ATCTGTTTCTTGATATGGAAGCAGCTACAGGGCAGGAGTTCGAGCTGTGTTTAGAGTGCATCGAATGGGC
 CAAGTCAGAGAAAAGAACTTTCTACGCCAAGCTTTGGAGGCAAGACTGGTGTCTTTGACTTTGATACC
 AAGAGGTACCAGGAAGCATTGCATTTGGGTTCTCAGCTGCTGCGGGAGTTGAAAAAGATGGACGACAAG
 CTCTTTTGGTGGAGTACAGCTTTAGAAAAGAAAACATACCATGCCCTGAGCAACTGCCGAAAGCCCG
 AGCTGCCTTAACCTCTGCTCGAACCACAGCAAATGCCATCTACTGCCCCCTAAATTGCAGGCCACCTTG
 GACATGCAGTCGGGTATTATCCATGCAGCAGAAGAGAAGGACTGGAAAACGCGTACTCATACTTCTATG
 AGGCATTTGAGGGTTATGACTCCATCGACAGCCCCAAGGCCATCACATCTCTGAAGTACATGTTGCTGTG
 CAAAATCATGCTCAACACCCAGAAAGATGTCCAGGCTTTGGTGAGCGGGAAGCTTGCACTTCGGTATGCA
 GGGAGGCAGACAGAAGCATTAAAATGCGTGGCTCAGGCTAGCAAGAACAGATCACTGGCAGATTTTGAAA
 AGGCTCTGACAGATTACCGGGCAGAGCTCCGGGATGACCCAATCATCAGCACACACTTGGCCAAGTTGTA
 TGATAACTTACTAGAACAGAATCTGATCCGAGTCACTGAGCCTTTTCCAGAGTACAGATTGAACACATA
 TCTAGTCTCATAAACTCTCAAGGCCGACGTGGAAGGAAATATCACAGATGATTCTTGACAAGAAAT
 TTCATGGGATTTTGGACCAGGGGAGGGTGTCTGATTATTTTCGATGAACCCCAAGTAGATAAACTTA
 CGAAGCTGCTCTGGAAACAATTCAGAACATGAGCAAAGTAGTGGATTCCCTCTACAACAAAGCCAAGAAA
 CTGACA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232696 representing NM_001270482
 Red=Cloning site Green=Tags(s)

MAAAVVEFQRAQSLSTDREASIDILHSIVKRDIQENDEEAVQVKEQSILELGSLLAKTGQAAELGLL
 KYVRPFLNSISKAKAARLVRSLLDLFLDMEAATGQEVLELCIEWAKSEKRTFLRQALEARLVSLYFDT
 KRYQEALHLGSQLLRELKMKDDKALLVEVQLLESKTYHALSNLPKARAALTSARTTANAIYCPPKLQATL
 DMQSGIIHAAEEKDWKTAYSIFYEAFEGYDSIDSPKAITSLKYMLLCKIMLNTPEDVQALVSGKLALRYA
 GRQTEALKCVAQASKNRSADF EKALTDYRAELRDPPIISTHLAKLYDNLLEQNLIRVIEPFSRVQIEHI
 SSLIKLSKADVERKLSQMILDKKFHGI LDQEGVLIIFDEPPVDKTYEAALETIQNMSKVVDLSLYNKAKK
 LT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2901_b05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001270482

ORF Size: 1266 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.

RefSeq: [NM_001270482.2](#)

RefSeq Size: 4035 bp

RefSeq ORF: 1269 bp

Locus ID: 5717

UniProt ID: [O00231](#)

Cytogenetics: 17q11.2

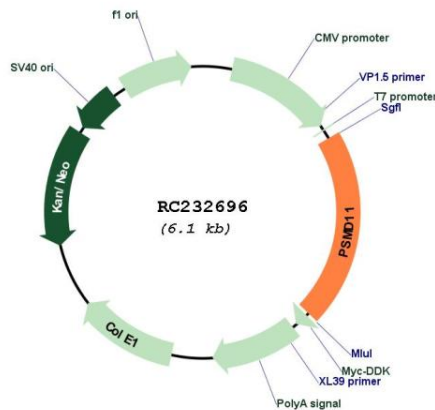
Protein Families: Stem cell - Pluripotency

Protein Pathways: Proteasome

MW: 47.5 kDa

Gene Summary: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. This gene encodes a member of the proteasome subunit S9 family that functions as a non-ATPase subunit of the 19S regulator and is phosphorylated by AMP-activated protein kinase. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RC232696