

Product datasheet for **RG232696**

PSMD11 (NM_001270482) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PSMD11 (NM_001270482) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PSMD11
Synonyms: p44.5; Rpn6; S9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232696 representing NM_001270482
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCGGGCGGGTGGAGTTCCAGAGAGCCAGTCTCTACTCAGCACCGACCGGGAGGCCTCCA
 TCGACATCCTCCACTCCATCGTGAAGCGTGACATTCAGGAAAACGATGAAGAGGCAGTCAAGTCAAAGA
 GCAGAGCATCCTGGAAGTGGGATCTCTCCTGGCAAAGACTGGACAAGCTGCAGAGCTTGAGGACTCCTG
 AAGTATGTACGACCCTTCTGAATTCATCAGCAAGGCTAAAGCAGCTCGCCTGGTCCGATCTTCTTGT
 ATCTGTTTCTTGATATGGAAGCAGCTACAGGGCAGGAGTTCGAGCTGTGTTTAGAGTGCATCGAATGGC
 CAAGTCAGAGAAAAGAACTTTCTTACGCCAAGCTTTGGAGGCAAGACTGGTGTCTTTGTACTTTGATACC
 AAGAGGTACCAGGAAGCATTGCATTTGGTTCTCAGCTGCTGCGGGAGTTGAAAAAGATGGACGACAAAAG
 CTCTTTTGGTGGAGTACAGCTTTTAGAAAACAAAACATACCATGCCCTGAGCAACCTGCCGAAAGCCCG
 AGCTGCCTTAACTTCTGCTCGAACCACAGCAAATGCCATCTACTGCCCCCTAAATTGCAGGCCACCTTG
 GACATGCAGTCGGGTATTATCCATGCAGCAGAAGAGAAGGACTGGAAAAGTGCCTACTCATACTTCTATG
 AGGCATTTGAGGGTTATGACTCCATCGACAGCCCCAAGGCCATCACATCTCTGAAGTACATGTTGCTGTG
 CAAAATCATGCTCAACACCCAGAAAGATGTCCAGGCTTTGGTGAGCGGGAAGCTTGCACTTCGGTATGCA
 GGGAGGCAGACAGAAGCATTAAAATGCGTGGCTCAGGCTAGCAAGAACAGATCACTGGCAGATTTTGAAA
 AGGCTCTGACAGATTACCGGCAGAGCTCCGGGATGACCCAATCATCAGCACACACTTGCCAAAGTTGTA
 TGATAACTTACTAGAACAGAATCTGATCCGAGTCAATTGAGCCTTTTTCCAGAGTACAGATTGAACACATA
 TCTAGTCTCATAACTCTCAAGGCCGACGTGGAAAAGGAAATATCACAGATGATTCTTGACAAGAAAT
 TTCATGGGATTTTGGACCAGGGGAGGGTGTCTGATTATTTTCGATGAACCCCAAGTAGATAAACTTA
 CGAAGCTGCTCTGGAAACAATTCAGAACATGAGCAAAGTAGTGGATTCCCTCTACAACAAAGCCAAGAAA
 CTGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232696 representing NM_001270482
Red=Cloning site Green=Tags(s)

MAAAAVVEFQRAQSLSTDREASIDILHSIVKRDIQENDEEAVQVKEQSILELGSLLAKTGQAAELGLL
 KYVRPFLNSISKAKAARLVRSLDLFLDMEAATGQEVCLCEIEWAKSEKRTFLRQALEARLVSLYFDT
 KRYQEALHLGSQLLRELKMKDDKALLVEVQLLESKTYHALSNLPKARAALTSARTANAIYCPPKLQATL
 DMQSGIIHAAEEKDWKTAYSFYEAFFEGYDSIDSPKAITSLKYMILLCKIMLNTPEDVQALVSGKLALRYA
 GRQTEALKCVAQASKNRLADFEKALTDYRAELRDDPIISTHLAKLYDNLLEQNLIRVIEPFSRVQIEHI
 SSLIKLSKADVERKLSQMILDKKFHGLDQEGVLIIFDEPPVDKTYEAALETIQNMSKVVDSL YNKAKK
 LT

TRTRPLE - GFP Tag - V

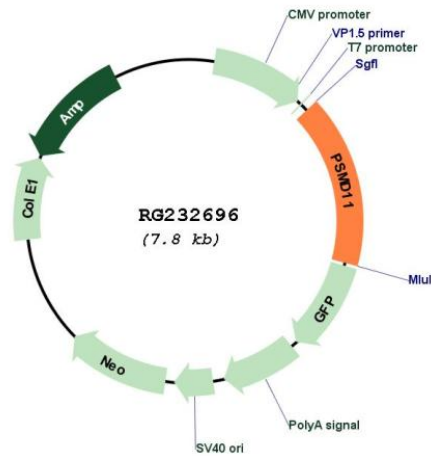
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
Gene Summary:	<p>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]</p>