

Product datasheet for **RG201201**

PSMD11 (NM_002815) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD11 (NM_002815) 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:	>RG201201 representing NM_002815 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGGGCGGTGGAGTTCAGAGAGCCAGTCTCTACTCAGCACCGACCGGGAGGCCTCCA
TCGACATCCTCCACTCCATCGTGAAGCGTGACATTCAGGAAAACGATGAAGAGGCAGTCAAGTCAAAGA
GCAGAGCATCCTGGAAGTGGATCTCTCCTGGCAAAGACTGGACAAGCTGCAGAGCTTGGAGGACTCCTG
AAGTATGTACGACCCTTCTGAATTCATCAGCAAGGCTAAAGCAGCTCGCCTGGTCCGATCTTCTTGT
ATCTGTTTCTTGATATGGAAGCAGCTACAGGGCAGGAGTTCGAGCTGTGTTTAGAGTGCATCGAATGGC
CAAGTCAGAGAAAAGAACTTTCTTACGCCAAGCTTGGAGGCAAGACTGGTGTCTTTGTACTTTGATACC
AAGAGGTACCAGGAAGCATTGCATTTGGTTCTCAGCTGCTGCGGGAGTTGAAAAAGATGGACGACAAAAG
CTCTTTTGGTGGAGTACAGCTTTTAGAAAACAAAACATACCATGCCCTGAGCAACTGCCGAAAGCCCG
AGCTGCCCTAACTTCTGCTCGAACCACAGCAAATGCCATCTACTGCCCCCTAAATTGCAGGCCACCTTG
GACATGCAGTCGGGTATTATCCATGCAGCAGAAGAGAAGGACTGGAAAAGTGCCTACTCATACTTCTATG
AGGCATTTGAGGGTTATGACTCCATCGACAGCCCAAGGCCATCACATCTCTGAAGTACATGTTGCTGTG
CAAAATCATGCTCAACACCCAGAAAGATGTCCAGGCTTTGGTGAGCGGGAAGCTTGCCTCGGTATGCA
GGGAGGTCAGACAGAAGCATTAAAATGCGTGGCTCAGGCTAGCAAGAACAGATCACTGGCAGATTTTGAAA
AGGCTCTGACAGATTACCGGCAGAGCTCCGGGATGACCAATCATCAGCACACACTTGGCCAAGTTGTA
TGATAACTTACTAGAACAGAATCTGATCCGAGTCAATTGAGCCTTTTTCCAGAGTACAGATTGAACACATA
TCTAGTCTCATCAAATCTCCAAGGCCGACGTGGAAAAGGAAATATCACAGATGATTCTTGACAAGAAAT
TTCATGGGATTTTGGACCAGGGGAGGGTGTCTGATTATTTTCGATGAACCCCAAGTAGATAAACTTA
CGAAGCTGCTCTGGAAACAATTCAGAACATGAGCAAAGTAGTGGATTCCTCTACAACAAAGCCAAGAAA
CTGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_002815.4](#)

RefSeq Size: 1598 bp

RefSeq ORF: 1269 bp

Locus ID: 5717

UniProt ID: [O00231](#)

Cytogenetics: 17q11.2

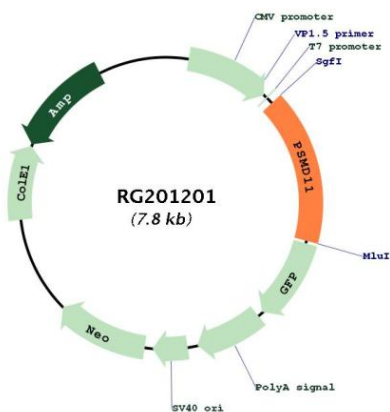
Domains: PCI

Protein Families: Stem cell - Pluripotency

Protein Pathways: Proteasome

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 RG201201