

Product datasheet for **SC111679**

PSMD13 (NM_002817) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD13 (NM_002817) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMD13
Synonyms:	HSPC027; p40.5; Rpn9; S11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111679 sequence for NM_002817 edited (data generated by NextGen Sequencing)

```
ATGAAGGACGTACCGGGCTTCTACAGCAGAGCCAGAAGTCCGGGCCCGGCAGCCCGCT
GTGTGGCACCGTCTGGAGGAGCTCTACACGAAGAAGTTGTGGCATCAGCTGACACTTCAG
GTGCTTGATTTTGTGCAGGATCCGTGCTTTGCCAAGGAGATGGTCTCATTAAAGCTTTAT
GAAAACCTTTATCAGTGAATTTGAACACAGGGTGAACCTTTGTCCCTCGTGAAATCATT
CTTCATGTAGTTAGACAGATGACTGATCCTAATGTGGCTCTTACTTTTCTGGAAAAGACT
CGTGAGAAGGTGAAAAGTAGTGATGAGGCAGTGATCCTGTGTA AACAGCAATTGGAGCT
CTAAAATTAACATCGGGGACCTACAGGTTACAAAGGAAACAATTGAAGATGTTGAAGAA
ATGCTCAACAACCTTCTGGTGTGACATCGGTTACAGTCGTTTCTATGATCTCTCCAGT
AAATACTATCAAACAATCGGAAACCACGCTCCTACTACAAAGATGCTCTGCGGTTTTTG
GGCTGTGTTGACATCAAGGATCTACCAGTGTCTGAGCAGCAGGAGAGAGCCTTCAGCTG
GGGCTAGCAGGACTTCTCGGCGAGGGAGTTTTTAACTTTGGAGAACTCCTCATGCACCT
GTGCTGGAGTCCCTGAGGAATACTGACCGGAGTGGCTGATTGACACCCTCTATGCCTTC
AACAGTGGCAACGTAGAGCGGTTCCAGACTCTGAAGACTGCCTGGGGCCAGCAGCCTGAT
TTAGCAGCTAATGAAGCCAGCTTCTGAGGAAAATTCAGTTGTTGTGCCTCATGGAGATG
ACTTTACACGACCTGCCAATCACAGACAACCTCACTTTTGAAGAAATTGCCAAAAGTGCT
AAAATCACAGTGAATGAGGTGGAGCTTCTGGTGTGATGAAGGCCCTTTCGGTGGGGCTGGTG
AAAGGCAGTATAGACGAGGTGGACAAACGAGTCCACATGACCTGGGTGCAGCCCGGAGTG
TTGGATTTGCAACAGATCAAGGGAATGAAGGACCGCCTGGAGTTCTGGTGCACGGATGTG
AAGAGCATGGAGATGCTGGTGGAGCACCAGGCCATGACATCCTCACCTAG
```

Clone variation with respect to NM_002817.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002817 unedited</p> <pre>TCACTATAGGGCCGCGCAATTCGGCACGAGGCCGCGGTGCTGACATCCCGTTTCT TCTGTGCCGGGGTCTTCTGCTGTCATGAAGGACGTACCGGGCTTCTACAGCAGACC AGAAGTCCGGGCCCGGCAGCCCGCTGTGTGGCACCGTCTGGAGGAGCTTACACGAAGA AGTTGTGGCATCAGCTGACACTTCAGGTGCTTGATTTTGTGCAGGATCCGTGCTTTGCC AAGGAGATGGTCTCATTAAGCTTTATGAAAATTTATCAGTGAATTTGAACACAGGGTGA ACCCTTTGTCCCTCGTGGAAATCATTCTTCATGTAGTTAGACAGATGACTGATCCTAATG TGGCTCTTACTTTTCTGAAAAGACTCGTGAGAAGGTGAAAAGTAGTGATGAGGCAGTGA TCCTGTGTAAAACAGCAATTGGAGCTCTAAAATTAACATCGNGACCTACAGGTTACAA AGGAAACAATTGAAGATGTTGAAGAAATGCTCAACAACCTTCTGGTGTGACATCGGTTT ACAGTCGTTTCTATGATCTCTCCAGTAAATACTATCAAACAATCGGAAACCACGCGTCT ACTACAAGATGCTCTGCGGTTNTTGGGCTGTGTTGACATCAAGGATCTACCAGTGTCTGA GCAGCAGGAGAGACCTTACGCTGGGGCTAGCAGGACTTNCTCGCGAGGGAGTNTAAA ACTTGAGAACTCTCATGCACCCTGTGCTGNAGTCCCTGAGGATACTGACCGAATGGCT GATGACACCTCTATGCCTTACAGTGGCACGTAACCGTCCAGATCTGAGACTGCCTGG GCCANCAGCTGATTTACACTATGAAGCCAGCTCTGGGAAAATCAGTNGTNGGCCTATGAG ATACTTACACACTGCATACAGACACTTTTGAGAAATGCCAAGGCTAATCCAGGATGA GTGACTCTGTGATAAGCCTCGGGGGCTGGGAAGCNTAACAGGGACACAGTCATACTGTGC CCCCAGTGATTGAAACAGGATAGCCCCG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002817 unedited</p> <pre>GCACGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAACAAAGCAGAGGGTTTATTA TAGGAACATTCTCAAACCGCAACGAAAAGATGTCGGTACAGGTGGATGGGGATGGAGAT CCACCTCGGAGTACACAGACTTCAGGGGCCTCCTGCCTGGCACGTTCTTCTCTCCCGT ATCACCTAAGACCCTGAGACCCCCACCCTCTGCAGGAGAGACCCACAAAGAAGCCTCCTC CCTGTGGCCTGGCTCCCATCAAGGACAGTCTGTTTTTAGAGCAAGAAGCAGTCTGTAATT CAGACAGGATCCCAACCCCAACCAAAATCAATGTCGACCGTCTGAGCAGCCAGCTTCAT TGGCTGCAAAACGCTCTCTCAGGTGAGTCAAAGGAGACACGACGGGAACAGGGGGCCC TAGGTGAGGATGTCATGGGCCTGGTGTCCACCAGCATCTCCATGCTCTTACATCCGTG CACCAGAACTCCAGGCGGTCTTTCATTCCCTTGATCTGTTGCAAAATCCAACACTCGGGCC TGCACCCAGGTGATGTGGACTCGTTTGTCCACCTCGTCTATACTGCCTTTCACCAGCCCC ACCGAAAAGGCTTTCATACCAGAAGCTCCACCTCATTACTGTGATTTTAGCACTTTTG GCAATTTCTTCAAAGTGAAGTTGCTGTGATAGGCAGGTCGTGTGAAAGTCATCTCCATG AGCACAACACCCGATTTACCCTCAAAGCTGGGCTTCAATAACCTGCTAAATAAGCTGCT GCCCCAGGCGTCTTAAAGTCTGGAACCCCTACGTTGCCCTGCTGAAAGCTTAAGGGT GCAATCACCCCTGCCGTATTATTCTCAGGACTCCCCAAGGCGCTGAGAGTCCCCAAC TAAAACTCCCTCCCATAATCCGCACCCACCGGAAGCTCTCCCGCCGTCAAACCGAGA AACCTTAGGCA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002817
Insert Size:	1700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_002817.2](#), [NP_002808.2](#)

RefSeq Size: 1587 bp

RefSeq ORF: 1131 bp

Locus ID: 5719

UniProt ID: [Q9UNM6](#)

Cytogenetics: 11p15.5

Domains: PCI

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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).