

Product datasheet for **SC114839**

PSMD6 (NM_014814) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD6 (NM_014814) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMD6
Synonyms:	p42A; p44S10; Rpn7; S10; SGA-113M
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114839 sequence for NM_014814 edited (data generated by NextGen Sequencing)

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ATGCCGCTGGAGAACCTGGAGGAGGGTCTGCCAAGAACCCGACTTGCATCGCG
CAGCTGCGCTTCTGCTCAGCCTGCCCGAGCACCGCGGAGACGCTGCCGTGCGCGACGAG
CTGATGGCGGCCCTCCGCGATAACAACATGGCTCCTTACTATGAAGCCTTGTGCAAAATCC
CTCGACTGGCAGATAGACGTGGACCTACTCAATAAAATGAAGAAGGCAAATGAAGATGAG
TTGAAGCGTTTGGATGAGGAGCTGGAAGATGCAGAGAAGAATCTAGGAGAGAGCGAAAT
CGCGATGCAATGATGGCAAAGGCCGAGTACCTCTGCCGGATAGGTGACAAAGAGGGAGCT
CTGACAGCCTTTCGCAAGACATATGACAAAACGTGGCCCTGGGTACCGATTGGATATT
GTATTCTATCTCCTTAGGATTGGCTTATTTATATGGATAATGATCTCATCACACGAAAC
ACAGAAAAGGCCAAAAGCTTAATAGAAGAAGGAGGAGACTGGGACAGGAGAAACCGCCTA
AAAGTGTATCAGGTCTTTATTGTGTGGCTATTCTGATTTCAAACAGGCAGCTGAACTC
TTCTTGACACTGTTTCAACATTTACATCCTATGAACTCATGGATTATAAAACATTTGTG
ACTTATACTGTCTATGTCAGTATGATTGCCTTAGAAAAGACCAGATCTCAGGGAAAAGGTC
ATTAAAGGAGCAGAGATTCTTGAAGTGTGACAGTCTTCCAGCAGTTCGGCAGTATCTG
TTTTCACTCTATGAATGCCGTTACTCTGTTTTCTTCCAATCATTAGCGGTTGTGGAACAG
GAAATGAAAAGGACTGGCTTTTTGCCCTCATTATCGATACTATGTAAGAGAAATGAGA
ATTCATGCATACAGTCAGCTGCTGGAATCATATAGGTCATTAACCCTTGGCTATATGGCA
GAAGCGTTTGGTGTGGTGGAAATTCATTGATCAGGAAGTCCAGGTTTATTGCTGCC
GGGAGACTACACTGCAAAATAGATAAAGTGAATGAAATAGTAGAAACCAACAGACCTGAT
AGCAAGAAGTGGCAGTACCAAGAAACTATCAAGAAAGGAGATCTGCTACTAAACAGAGTT
CAAAAACCTTCCAGAGTAATTAATATGTAA

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Clone variation with respect to NM_014814.1



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014814 unedited
 NTGTCGNAATTTGTATACGACTCTATAGGCGGCCCGCAATTCGCACGAGGGTCCCCTT
 CGCCGCGATGCCGCTGGAGAACCTGGAGGAGGAGGGTCTGCCAAGAACCCCGACTTGCG
 TATCGCGCAGCTGCGCTTCTGCTCAGCCTGCCGAGCACCGGGAGACGCTGCCGTGCG
 CGACGAGCTGATGGCGCCGTCGCGATAACAACATGGCTCCTTACTATGAAGCCTTGTG
 CAAATCCCTCGACTGGCAGATAGACGTGGACCTACTCAATAAAATGAAGAAGGCAATGA
 AGATGAGTTGAAGCGTTTGGATGAGGAGCTGGAAGATGCAGAGAAGAATCTAGGAGAGAG
 CGAAATTCGCGATGCAATGATGGCAAAGGCCGAGTACCTCTGCCGGATAGGTGACAAAGA
 GGGAGCTCTGACAGCCTTTCGCAAGACATATGACAAAACGTGGCCCTGGGTCAACGATT
 GGATATTGTATTCTATCTCCTTAGGATTGGCTATTTTATATGGATAATGATCTCATCAC
 ACGAAACACAGAAAAGGCCAAAAGCTTAATAGAAGAAGGAGGAGACTGGGACAGGAGAAA
 CCGCCTAAAAGTGTATCAGGGTCTTTATTGTGTGGCTATTCGTGATTTCAAACAGGCAGC
 TGAACTCTTCTTGACACTGTTTCAACATTTACATCCTATGAACTCATGGATTATAAAAC
 ATTTGTGACTTAACTGTCTATGTCAGTATGATTGCCTTAGAAAAGACCAGATCTCAGGGA
 ANAGGTCATTAAGGAGCAGAGATTCTTGGAGTGTGCACAGTCTCCAGCAGTTCGGCA
 GTATCTGTTTTACTCTATGAATGCCGTTACTCCTGTTTCTTCCATCATTAAACGGGTGT
 GGAACAGGAAAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014814 unedited
 ATGGACCGGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAACAACAATGCCGTTTTTTTTTATA
 CAGTTGACCTGGGCCATTGGGAAATAAGCTTTAAAAATCCAAATAATTTTTTTTTAAAA
 CAAATCCTTTGGTAATTACATGGGTTTACATATTAATTACTCTGGAAAGTTTTTGAACCT
 TGTTTAATAACAAAACCTTTTTTTGAAAATTTCTTGGGACTGCCAATTTTTGGTATCAG
 GGCTGGGGGGTCTACTATTTTCACTTATCTATTTTGCAGGGGAGTCTCCCGGGAG
 CAATAAACCTGGACAGGTCTGATCAATGAATCCACACCAACACCAAACGCTTTTGGCA
 TTTAGCCAAGGGTAATGACCTATTTTATCCCCACCTGACTGGATGCATGAATTCTCA
 TTTTTTTTACATAAAATCGAAAAAGAGGGGCAAAAAGCCCGTCTTTTTTCACTTCTGTT
 CCACAACCGCTTATGATTGGAATAAACAAGTAAACGGCTTTTATAAAGGGAAAAACAAT
 ACTGCCCAACTGCTGGAAGACTGGGCAACACTTCAAAAATCTCTGGTCTTTAATGACCC
 TTTCCCTGAGAAGTGGCTTTTTAAGGGCATCTACTGGCCTATACAGTTTTAAGTCCAC
 AATGTTTTATAATCCCTGAATTCCTAAGATGGGAAATGTTGAAACCTGTCAAGGAAAA
 GNTCACCTTGCTGTTGGATTCCCGAATAGCCCCCAATTAACCCCTGGTACCTTTTAGC
 GGGTTTTTCTGGCCCAAATTTCTTCTTTTTTATAAGCTTTGGGCCTTTTTGGGGTTCGGG
 AGGAAACATTTCTTTAAATAACCCATTA

Restriction Sites:

NotI-NotI

ACCN:

NM_014814

Insert Size:

1340 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_014814.1](#), [NP_055629.1](#)

RefSeq Size: 1308 bp

RefSeq ORF: 1170 bp

Locus ID: 9861

UniProt ID: [Q15008](#)

Cytogenetics: 3p14.1

Domains: PCI

Protein Pathways: Proteasome

Gene Summary: This gene encodes a member of the protease subunit S10 family. The encoded protein is a subunit of the 26S proteasome which colocalizes with DNA damage foci and is involved in the ATP-dependent degradation of ubiquinated proteins. Alternative splicing results in multiple transcript variants [provided by RefSeq, Nov 2012]
Transcript Variant: This variant (2) lacks an exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.