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Product datasheet for SC118384

PSMD9 (NM_002813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD9 (NM_002813) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMD9
Synonyms:	p27; Rpn4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC118384 sequence for NM_002813 edited (data generated by NextGen Sequencing)

ATGTCCGACGAGGAAGCGAGGCAGAGCGGAGGCTCCTCGCAGGCCGGCGMCGTGACTGTC
AGCGACGTCCAGGAGCTGATGCGGCGCAAGGAGGAGATAGAAGCGCAGATCAAGGCCAAC
TATGACGTGCTGGAAAGCCAAAAAGGCATTGGGATGAACGAGCCGCTGGTGGACTGTGAG
GGCTACCCCCGGTCAGACGTGGACCTGTACCAAGTCCGCACCGCCAGGCACAACATCATA
TGCCTGCAGAATGATCACAAGGCAGTGATGAAGCAGGTGGAGGAGGCCCTGCACCAGCTG
CACGCTCGCGACAAGGAGAAGCAGGCCCGGGACATGGCTGAGGCCCACAAAGAGGCCATG
AGCCGCAAACTGGGTCAGAGTGAGAGCCAGGGCCCTCCACGGGCCTTCGCCAAAGTGAAC
AGCATCAGCCCCGGCTCCCCAGCCAGCATCGCGGGTCTGCAAGTGGATGATGAGATTGTG
GAGTTCGGCTCTGTGAACACCCAGAACTTCCAGTCACTGCATAACATTGGCAGTGTGGTG
CAGCACAGTGAGGGGAAGCCCCTGAATGTGACAGTGATCCGCAGGGGGGAAAAACACCAG
CTTAGACTTGTTCCAACACGCTGGGCAGGAAAAGGACTGCTGGGCTGCAACATTATTCCT
CTGCAAAGATGA

Clone variation with respect to NM_002813.4
50 t=>m

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002813 unedited
ATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGTCCCTAGCCCG
GGAGCCGGGTCTCTGGAGTCGCGGCCCGGGGTTCACGATGTCCGACGAGGAAGCGAGGCA
GAGCGGAGGCTCCTCGCAGGCCGGCGCCGTGACTGTCAGCGACGTCCAGGAGCTGATGCG
GCGCAAGGAGGAGATAGAAGCGCAGATCAAGGCCAACTATGACGTGCTGGAAAGCCAAAA
AGGCATTGGGATGAACGAGCCGCTGGTGGACTGTGAGGGCTACCCCCGGTCAGACGTGGA
CCTGTACCAAGTCCGCACCGCCAGGCACAACATCATATGCCTGCAGAATGATCACAAGGC
AGTGATGAAGCAGGTGGAGGAGGCCCTGCACCAGCTGCACGCTCGCGACAAGGAGAAGCA
GGCCCGGGACATGGCTGAGGCCCACAAAGAGGCCATGAGCCGCAAACTGGGTCAGAGTGA
GAGCCAGGGCCCTCCACGGGCCTTCGCCAAAGTGAACAGCATCAGCCCCGGCTCCCCAGC
CAGCATCGCGGGTCTGCAAGTGGATGATGAGATTGTGGAGTTCGGCTCTGTGAACACCCA
GAACTTCCAGTCACTGCATAACATTGGCAGTGTGGTGCAGCACAGTGAGGGGAAGCCCCT
GAATGTGACAGTGATCCGCAGGGGGGAAAAACACCAGCTTAGACTTGTTCCCACACGCTG
GGCANGAAAAGGACTGCTGGGCTGCAACATTATTCCTCTGCAAGATGATTGTCCCTGGGG
AAACAGTACAGGNAAGCATCTTTCCCTTGCCCTGGACTNGGGTCTAGGGGATTTCCACTT
GTCNTCTCTNCCCTGAGCAATAAGATCTGGNAAGAGGCCTTGTACCTGAACCTCTGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002813 unedited
CCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTACATATCAGCACTGTAAA
ACTCTTTATTAAAAATAATAATAATAATCACACCAGTACCTGCCAGATAACTTCCGCCCA
CTTGCCCACAATCCAGGGAATTCCTATTTAGGGCCGTGGCCTAATTTGTGAAAGAGGCCA
AGCCTAAGTTTTTAAGAATGCCTTAATCCAGGGAGATTACACTGGTGGGCCACAGTACTG
CCACCACACAGAAGTTCAGGTTACAAGCCTCTTCCAGATCCTTATGCTTCAGGGAGAGAA
GACAAGTTGGAAATCCCTAGACCCAAGTCCAGGGCAAGGGAAGATGCTTTCCTGTTACTG
TTCCCCAGGGACAATCATCTTTGCAGAGGAATAATGTTGCAGCCCAGCAGTCCTTTTCCT
GCCCAGCGTGTTGGAACAAGTCTAAGCTGGTGTTTTTCCCCCCTGCGGATCACTGTCACA
TTCAGGGGCTTCCCCTCACTGTGCTGCACCACACTGCCAATGTTATGCAGTGACTGGAAG
TTCTGGGTGTTCACAGAGCCGAACTCCACAATCTCATCATCCACTTGCANACCCGCGATG
CTGGCTGGGGAGCCGGGGCTGATGCTGTTCACTTTGGCGAAAGCCCGTGGAGGGCCCTGG
CTCTCACTTCTGACCCCATTTGCGGTTCATGGCCCTCTTTGTGGGCCTCAGCCATGTCCC
GGGGCCTGTTNTTTCTTGTCCCGAGCGTGCACCTGGTGCAAGGCCTTCTCCACCTGCCAA
ATAAATGCCTTGTGATCATTTTGCAGGCATATGAATGTTGGGCCTGGCGGGGCCGACTTG
GTACCATGTCCAACTTTTGACCGGGGGGTAGCCTTAACAACCAACACGGGGCTTGTTATT
TCCATGGCCTTTTTGCCTTTCCCACCGTCATATATGGCCTTGATCTGCGCTATTATT

Restriction Sites: NotI-NotI

ACCN: NM_002813

Insert Size: 1140 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_002813.4, NP_002804.2
RefSeq Size:	2360 bp
RefSeq ORF:	672 bp
Locus ID:	5715
UniProt ID:	O00233
Cytogenetics:	12q24.31
Domains:	PDZ
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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, May 2012] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).