

Product datasheet for **SC109645**

PSMD10 (NM_170750) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD10 (NM_170750) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMD10
Synonyms:	dj889N15.2; p28; p28(GANK)
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_170750, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGGTGTGTGTCTAACCTAATGGTCTGCAACCTGGCCTACAGCGGGAAGCTGGAAGAGTTGAAGG
AGAGTATTCTGGCCGATAAATCCCTGGCTACTAGAACTGACCAGGACAGCAGAACTGCATTGCACTGGGC
ATGCTCAGCTGGACATACAGAAATTGTTGAATTTTGTGCAACTGGAGTGCCAGTGAATGATAAAGAC
GATGCAGGTTGGTCTCCTCTTCATATTGCGGCTTCTGCTGGCCGGGATGAGATTGTAAAAGCCCTTCTGG
GAAAAGGTGCTCAAGTGAATGCTGTCAATCAAAATGGCTGTACTCCCTTACATTATGCAGCTTCGAAAAA
CAGGCATGAGATCGCTGTCATGTTACTGGAAGGCGGGGCTAATCCAGATGCTAAGGACCATTATGAGGCT
ACAGCAATGCACCGGGCAGCAGCCAAGGACACTTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_170750 unedited AGTAATTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGAAAGGAGGGGT GTGTGTCTAACCTAATGGTCTGCAACCTGGCCTACAGCGGGAAGCTGGAAGAGTTGAAGG AGAGTATTCTGGCCGATAAAATCCCTGGCTACTAGAAGTACCAGGACAGCAGAACTGCAT TGCACTGGGCATGCTCAGCTGGACATACAGAAATGTTGAATTTTGTGCAACTGGAG TGCCAGTGAATGATAAAGACGATGCAGGTTGGTCTCCTTCATATTGCGGCTTCTGCTG GCCGGATGAGATTGATAAAGCCCTTCTGGGAAAAGGTGCTCAAGTGAATGCTGTCAATC AAAATGGCTGACTCCCTTACATTATGCAGCTTCGAAAAACAGGCATGAGATCGCTGTCA TGTTACTGGAAGGCGGGCTAATCCAGATGCTAAGGACCATTATGAGGCTACAGCAATGC ACCGGGCAGCAGCAAGGACACTTANCCTGTGATGAGGAGAGAGTGAAGAAGCAAAACT GCTGGTGTCCCAAGGAGCAAGTATTACATTGAGAATAAAGAAGAAAAGACACCCCTGCA AGTGGCCAAAGGTGGCCTGGGTTAATACTCAAGAGAATGGTNGAGGTTAAACAGCTTG GATTTATTCTTACTNTGTATGTTGGGTTGTTGCCCCAGTGTCTACAACTAATGTATT TGTGCACAAGACATCATCTATGAATGATGAAAGTTTCTCACCTTCAAAGTCTTAAACCA TGTGACTCTTGTCTGCTGAGTACTGGTTCGAGCCTACAGCTGTTTTCCAGCATCGAA TAACTGTGAGATGTTCTCT
Restriction Sites:	NotI-NotI
ACCN:	NM_170750
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:	<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_170750.1 , NP_736606.1
RefSeq Size:	1467 bp
RefSeq ORF:	456 bp
Locus ID:	5716
UniProt ID:	O75832
Cytogenetics:	Xq22.3

Gene Summary:

This gene encodes a subunit of the PA700/19S complex, which is the regulatory component of the 26S proteasome. The 26S proteasome complex is required for ubiquitin-dependent protein degradation. This protein is a non-ATPase subunit that may be involved in protein-protein interactions. Aberrant expression of this gene may play a role in tumorigenesis. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20.[provided by RefSeq, Mar 2011]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region which results in a frameshift, compared to variant 1. It encodes isoform 2 which has a shorter and distinct C-terminus, compared to isoform 1.