

Product datasheet for RC232554

PSMD6 (NM_001271780) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD6 (NM_001271780) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PSMD6
Synonyms:	p42A; p44S10; Rpn7; S10; SGA-113M
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232554 representing NM_001271780 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATGAGAGTAACGACTCGACAACTATGACATGGCTCCTTACTATGAAGCCTTGTGCAATCCCTCG
ACTGGCAGATAGACGTGGACCTACTCAATAAAATGAAGAAGGCAAATGAAGATGAGTTGAAGCGTTTGG
TGAGGAGCTGGAAGATGCAGAGAAGAATCTAGGAGAGAGCGAAATTCGCGATGCAATGATGGCAAAGGCC
GAGTACCTCTGCCGGATAGGTGACAAAGAGGGAGCTCTGACAGCCTTTCGCAAGACATATGACAAAAGT
TGGCCCTGGGTCACCGATTGGATATTGTATTCTATCTCCTTAGGATTGGCTTATTTTATATGGATAATGA
TCTCATCACACGAAACACAGAAAAGGCCAAAAGCTTAATAGAAGAAGGAGGAGACTGGGACAGGAGAAAAC
CGCCTAAAAGTGTATCAGGGTCTTTATTGTGTGGCTATTCGTGATTTCAAACAGGCAGCTGAACTCTTCC
TTGACACTGTTTCAACATTTACATCCTATGAACTCATGGATTATAAAACATTTGTGACTTATACTGTCTA
TGTCAGTATGATTGCCTTAGAAAGACCAGATCTCAGGGAAAAGGTCATTAAGGAGCAGAGATTCTTGAA
GTGTTGCACAGTCTCCAGCAGTTCGGCAGTATCTGTTTTCACTCTATGAATGCCGTTACTCTGTTTTCT
TCCAATCATTAGCGGTTGTGGAACAGGAAATGAAAAGGACTGGCTTTTTGCCCTCATTATCGATACTA
TGTAAGAGAAATGAAATTCATGCATACAGTCAGCTGCTGGAATCATATAGGTCATTAACCTTGGCTAT
ATGGCAGAAGCGTTTGGTGTGGTGTGGAATTCATTGATCAGGAACTGTCCAGGTTTATTGCTGCCGGGA
GACTACACTGCAAAATAGATAAAGTGAATGAAATAGTAGAAACCAACAGACCTGATAGCAAGAACTGGCA
GTACCAAGAACTATCAAGAAAGGAGATCTGCTACTAACAGAGTTCAAAAACCTTCCAGAGTAATTAAT
ATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1053 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001271780.1 , NP_001258709.1
RefSeq Size:	1367 bp
RefSeq ORF:	1056 bp
Locus ID:	9861
UniProt ID:	Q15008
Cytogenetics:	3p14.1
Protein Pathways:	Proteasome
MW:	41.7 kDa
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 ubiquitinated proteins. Alternative splicing results in multiple transcript variants [provided by RefSeq, Nov 2012]