

Product datasheet for **RG202292**

PSMD6 (NM_014814) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD6 (NM_014814) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSMD6
Synonyms:	p42A; p44S10; Rpn7; S10; SGA-113M
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202292 representing NM_014814 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCTGGAGAACCTGGAGGAGGAGGGTCTGCCAAGAACCCCGACTTGCATCGCGCAGCTGCGCT
TCCTGCTCAGCCTGCCCGAGCACCGGGAGACGCTGCCGTGCGGACGAGCTGATGGCGGCCGTCGCGA
TAACAACATGGCTCCTTACTATGAAGCCTGTGCAAATCCCTCGACTGGCAGATAGACGTGGACCTACTC
AATAAAATGAAGAAGCAAATGAAGATGAGTTGAAGCGTTTGGATGAGGAGCTGGAAGATGCAGAGAAGA
ATCTAGGAGAGAGCGAAATTCGCGATGCAATGATGGCAAAGCGGAGTACCTCTGCCGGATAGGTGACAA
AGAGGGAGCTCTGACAGCCTTTCGCAAGACATATGACAAAACGTGGCCCTGGGTACCGATTGGATATT
GTATTCTATCTCCTTAGGATTGGCTATTTTATATGGATAATGATCTCATCACACGAAACACAGAAAAGG
CCAAAAGCTTAATAGAAGAAGGAGGAGACTGGGACAGGAGAAACCGCCTAAAAGTGTATCAGGGTCTTTA
TTGTGTGGCTATTCGTGATTTCAAACAGGCAGCTGAACTTCTCTTGACACTGTTTCAACATTTACATCC
TATGAACTCATGGATTATAAAACATTTGTGACTTATACTGTCTATGTCAGTATGATTGCCTTAGAAAAGAC
CAGATCTCAGGAAAAGGTCATTAAGGAGCAGAGATTCTGAAGTGTGCACAGTCTCCAGCAGTTCCG
GCAGTATCTGTTTCACTCTATGAATGCCGTTACTCTGTTTTCTCCAATCATTAGCGGTTGTGGAACAG
GAAATGAAAAGGACTGGCTTTTTGCCCTCATTATCGATAATGTAAGAGAAAATGAGAATTCATGCAT
ACAGTCAGCTGCTGGAATCATATAGGTCAATTAACCCTTGCTATATGGCAGAAGCGTTTGGTGTGGTGT
GGAATTCATTGATCAGGAACTGTCCAGGTTTATTGCTGCCGGGAGACTACACTGCAAAAATAGATAAAGTG
AATGAAATAGTAGAAACCAACAGACCTGATAGCAAGAACTGGCAGTACCAAGAACTATCAAGAAAGGAG
ATCTGCTACTAAACAGAGTTCAAAAACCTTCCAGAGTAATTAATATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG202292 representing NM_014814
 Red=Cloning site Green=Tags(s)

MPLENLEEEGLPKNPDLRIAQLRFLLSLPEHRGDAVRDELMAAVRDNNMAPYYEALCKSLDWQIDVDLL
 NKMKANEDLKRLDEELEDKAKSLIEEGDWDNRRLKVVYQGLYCVAIRDFKQAAELFDTVSTFTS
 YELMDYKTFVTTYVYVSMIALERPDLRKVIKGAIEVLHSLPAVRQYLFSLYECRYSVFFQSLAVVEQ
 EMKKDWLFAPHYRYVREMRIHAYSQLLLESYRSLTLGYMAEAFGVGVEFIDQELSRFIAAGRLHCKIDKV
 NEIVETNRPDSKNWQYQETIKKGDLLLNRVQKLSRVINM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014814

ORF Size: 1167 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:

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_014814.3](#)

RefSeq Size: 1308 bp

RefSeq ORF: 1170 bp

Locus ID: 9861

UniProt ID: [Q15008](#)

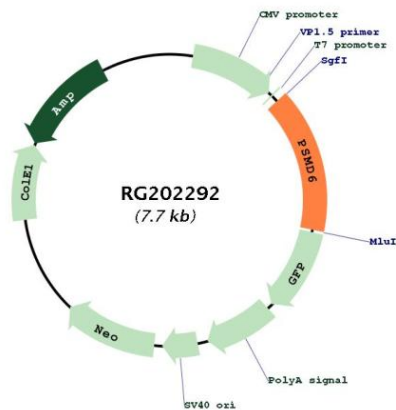
Cytogenetics: 3p14.1

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]

Product images:



Circular map for RG202292