

## Product datasheet for **RG232550**

### PSMD6 (NM\_001271781) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD6 (NM_001271781) 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:	>RG232550 representing NM_001271781 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCCGCTGGAGAACCTGGAGGAGGAGGACATGGCTCCTTACTATGAAGCCTTGTGCAAATCCCTCGACTGGCAGATAGACGTGGACCTACTCAATAAAATGAAGAAGGCAAATGAAGATGAGTTGAAGCGTTTGGATGAGGAGCTGGAAGATGCAGAGAAGAATCTAGGAGAGAGCGAAATTCGCGATGCAATGATGGCAAAGGCCGAGTACCTCTGCCGGATAGGTGACAAAGAGGGAGCTCTGACAGCCTTCGCAAGACATATGACAAAACGTGGCCCTGGTCCCGATTGGATATTGTATTCTATCTCCTTAGGATTGGCTTATTTTATATGGATAATGATCTCATCACACGAAACACAGAAAAGGCCAAAAGCTTAATAGAAGAAGGAGGAGACTGGGACAGGAGAAACCGCCTAAAAGTGATCAGGGTCTTTATTGTGTGGCTATTCTGATTTCAAACAGGCAGCTGAACCTCTTCTTGTACACTGTTCAACATTTACATCCTATGAACTCATGGATTATAAACATTTGTGACTTATACTGTCTATGTCAGTATGATTGCCTTAGAAAGACCAGATCTCAGGGAAAAGGTCATTAAAGGAGCAGAGATTCTTGAAGTGTGCACAGTCTCCAGCAGTTCGGCAGTATCTGTTTTCACTCTATGAATGCCGTTACTCTGTTTTCTTCAATCATTAGCGGTTGTGGAACAGGAAATGAAAAGGACTGGCTTTTTGCCCTCATTATCGATACTATGTAAGAGAAATGAGAATTCATGCATACAGTCAGCTGCTGGAATCATATAGGTCATTAACCCCTGGCTATATGCAGAAGCGTTTGGTGTGGTGTGGAATTCATTGATCAGGAAGTCCAGGTTTATTGCTGCCGGGAGAGTACTGCAAAATAGATAAAGTGAATGAAATAGTAGAAAACCAACAGACCTGATAGCAAGAAGCTGGCAGTACCAAGAACTATCAAGAAAGGAGATCTGCTACTAAACAGAGTTCAAAAACCTTCCAGAGTAATTAATATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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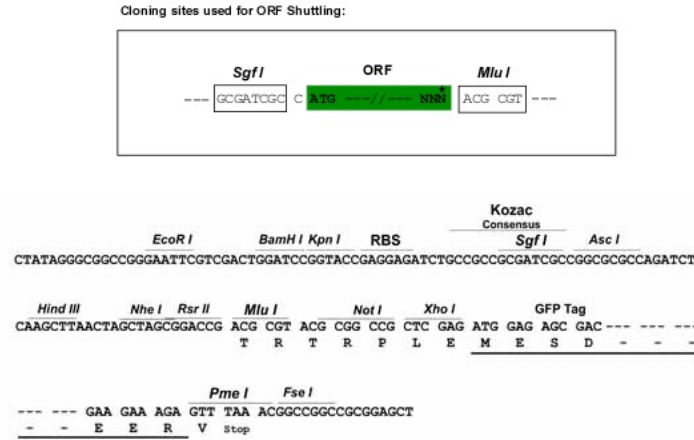
**Protein Sequence:** >RG232550 representing NM\_001271781  
 Red=Cloning site Green=Tags(s)

MPLENLEEEDMAPYYEALCKSLDWQIDVDLLNKMKKANEDELKRLDEELEDAAEKNLGESEIRDAMMAKAE  
 YLCRIGDKEGALTAFRKTYDKTVALGHRLDIVFYLLRIGLFYMDNDLITRNTEKAKSLIEEGGDWDRNR  
 LKVYQGLYCVAIRDFKQAAELFLDTVSTFTSYELMDYKTFVTYTVYVSMIALERPDLREKVIKGAIELEV  
 LHSLPAVRQYLFSLYECRYSVFFQSLAVVEQEMKKDWLFAPHYRYVREMRIHAYSQLLLESYRSLTLGYM  
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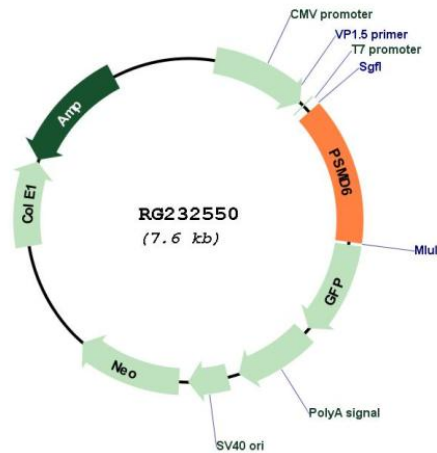
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001271781

**ORF Size:** 1050 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001271781.1</a> , <a href="#">NP_001258710.1</a>
<b>RefSeq Size:</b>	1242 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	9861
<b>UniProt ID:</b>	<a href="#">Q15008</a>
<b>Cytogenetics:</b>	3p14.1
<b>Protein Pathways:</b>	Proteasome
<b>Gene Summary:</b>	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]