

## Product datasheet for **RG232554**

### PSMD6 (NM\_001271780) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD6 (NM_001271780) 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:	>RG232554 representing NM_001271780 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGAGAGTAACGACTCGACAACTATGACATGGCTCCTTACTATGAAGCCTTGTCAAATCCCTCG  
ACTGGCAGATAGACGTGGACCTACTCAATAAAATGAAGAAGGCAAATGAAGATGAGTTGAAGCGTTTGA  
TGAGGAGCTGGAAGATGCAGAGAAGAATCTAGGAGAGAGCGAAATTCGCGATGCAATGATGGCAAAGGCC  
GAGTACCTCTGCCGATAGGTGACAAAGAGGGAGCTCTGACAGCCTTTCGCAAGACATATGACAAAAGT  
TGGCCCTGGGTACCGATTGGATATTGTATTCTATCTCCTTAGGATTGGCTTATTTATATGGATAATGA  
TCTCATCACACGAAACAGAAAAGGCCAAAAGCTTAATAGAAGAAGGAGGAGACTGGGACAGGAGAAAC  
CGCTAAAAGTGTATCAGGGTCTTTATTGTGTGGCTATTCGTGATTTCAAACAGGCAGCTGAACTCTTCC  
TTGACACTGTTTCAACATTTACATCCTATGAACATCATGGATTATAAAACATTTGTGACTTATACTGTCTA  
TGTCAATGATGATTGCCTTAGAAAGACCAGATCTCAGGGAAAAGGTCATTAAGGAGCAGAGATTCTTGAA  
GTGTTGCACAGTCTCCAGCAGTTCGGCAGTATCTGTTTTCACTATGAATGCCGTTACTCTGTTTTCT  
TCCAATCATTAGCGGTTGTGGAACAGGAAATGAAAAGGACTGGCTTTTTGCCCTCATTATCGATACTA  
TGTAAGAGAAATGAGAATTCATGCATACAGTCAGCTGCTGGAATCATATAGGTCATTAACCTTGGCTAT  
ATGGCAGAAGCGTTTGGTGTGGTGTGGAATTCATTGATCAGGAACTGTCAGTTTATTGCTGCCGGGA  
GACTACACTGCAAAATAGATAAAGTGAATGAAATAGTAGAAACCAACAGACCTGATAGCAAGAAGCTGGCA  
GTACCAAGAACTATCAAGAAAGGAGATCTGCTACTAAACAGAGTTCAAAAACCTTCCAGAGTAATTAAT  
ATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG232554 representing NM\_001271780  
Red=Cloning site Green=Tags(s)

MNESNDSTNYDMAPYYEALCKSLDWQIDVDLLNKMKKANEDELKRLDEELEDKAEKNLGESEIRDAMMAKA  
 EYLCRIGDKEGALTAFRKTYDKTVALGHRLDIVFYLLRIGLFYMDNDLITRNEKAKSLIEEGDWDRRN  
 RLKVVYQGLYCVAIRDFKQAAELFLDVTSTFTSYELMDYKTFVYTYVYVSMIALERPDLREKVIKGAILE  
 VLHSLPAVRQYLFSLYECRYSVFFQSLAVVEQEMKKDWLFAPHYRYVREMRIHAYSQLLLESYRSLTLGY  
 MAEAFGVGVFEIDQELSRFIAAGRLHCKIDKRVNEIVETNRPDSKNWQYQETIKKGDLLLNRVQKLSRVIN  
 M

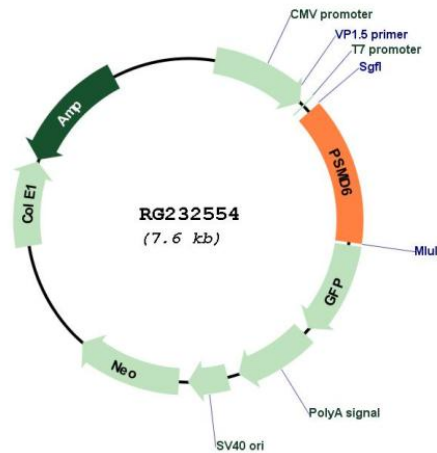
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001271780

<b>ORF Size:</b>	1053 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_001271780.1</a> , <a href="#">NP_001258709.1</a>
<b>RefSeq Size:</b>	1367 bp
<b>RefSeq ORF:</b>	1056 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]