

## Product datasheet for **RG232790**

### PSMD5 (NM\_001270427) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD5 (NM_001270427) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSMD5
Synonyms:	S5B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG232790 representing NM\_001270427  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCCCAGGCTTTGGCGCTGCTGAGAGAGGTAGCGAGGCTGGAAGCGCCGCTGGAGGAGCTACGCG  
 CGCTTCACTCCGTGCTGCAGGCAGTGCCGCTCAACGAGCTTCGCCAGCAAGCGGCGGAGCTGCGCCTCGG  
 CCCGCTCTTCCCTGCTTAACGAGAACCATAGGGAAAAGACTACTTTGTGTGTATCCATTCTGGAGAGA  
 TTGCTCCAAGCTATGGAACCGGTTACGTGGCCCGGAACCTCAGGGTTGACCTGCAGAGGGGACTAATTC  
 ACCCTGATGATTCTGAAAAATCCTCACTCTTCCAGATTGGAAGAATTGTTGAAAAATCTGATGCTGT  
 TACTGAGATTCTAAATAATGCTGAATTACTAAAACAAATGTTTATTGCATTGGTGGAGAGAATCTATCT  
 GTAGCAAAAGCGTAATTATAGAGATTTCTCCGTGTCACCAGAATCTTAAACTACTGTACCACAAGTG  
 GATTGGTAACCCAGCTCCTGAGAGAGCTGACTGGTGAGGATGTGTTGGTCAGAGCCACCTGTATAGAAAT  
 GGTGACATCACTGGCATATACTCATCATGGCGACAATATCTTGCTCAAGAAGGAGTAATTGACCAAATT  
 TCTAATAAATTGTTGGGGCAGATTCAGACCCTTCTCTAGCTTCTATCTGCCAGGATTCGTGAAGTTTT  
 TTGAAAACCTGGCTGTCATGGATAGTCCTCAACAGATCTGTGAGCGTTATCCTATCTTTGTGAAAAAAGT  
 CTTTGAATGATAGAAAGTCAGGACCCCACTATGATTGGTGTAGCTGTAGACACAGTTGGAATCTTGGGA  
 TCCAATGTTGAAGGAAAACAGGTTTTACAGAAAACAGGAACCTCGCTTTGAACGCTTGCTTATGAGAATAG  
 GACATCAATCAAAGAATGCCCCAGTGGAGCTAAAAATTAGATGTTTGGATGCAATTTTCATCTCTTCTGTA  
 CTTACCACCTGAGCAGCAGACTGATGACCTTCTGAGGATGACAGAATCCTGGTTTTCTTCTTTATCTCGG  
 GATCCACTGGAGCTCTCCGTGGCATTAGTAGTCAGCCCTCCCTGAACTACACTGTGCTGCCTAAAAG  
 TGTTTACGGCCATTGCAAACCAACCCTGGGCTCAGAACTTATGTTTAAACAGTCCAGGTTTTGTAGAATA  
 TGTGGTGGACCGTCTGTGGAGCATGACAAAGCTTCAAAGGATGCCAAATATGAACTAGTAAAAGCACTT  
 GCCAATCCAAGACAATTGCAGAAATCTTTGGGAACCCAAATTATTTGAGGCTCAGAACTTACCTGAGTG  
 AAGGGCCATACTATGTGAAACCTGTTTCCACGACAGCAGTAGAAGGAGCCGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG232790 representing NM\_001270427  
 Red=Cloning site Green=Tags(s)

MAAQALALLREVARLEAPLEELRALHSVLQAVPLNELRQQAELRLGPLFSLLENHREKTTLCVSI  
 LLQAMEPVHVARNLRVDLQRGLIHPDSSVKILTLSQIGRIVENS DAVTEILNNAELLKQIVYICIGGENLS  
 VAKALIEISSVSPELNYCTTSGLVTLQRLRELTGEDVLRATCIEMVTSLAYTHHGRQYLAQEGVIDQI  
 SNIIVGADSDPFSFYLPGFVKFFGNLAVMDSPQICERYPIFVEKVFEMIESQDPTMIGVAVDTVGILG  
 SNVEGKQVLQKTGRFRERLLMRIGHQSKNAPVELKIRCLDAISSLLYLPPEQQTDDLLRMTESWFSLSR  
 DPLELFRGISSQPFPELHCAALKVFTAIANQPWAQKLMFNSPGFVEYVVDVRSVEHDKASKDAKYELVKAL  
 ANSKTIAEIFGNPNYLRLRITYLSEGPYYVKPVSTTAVEGAE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<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_001270427.2</a>
<b>RefSeq Size:</b>	3375 bp
<b>RefSeq ORF:</b>	1386 bp
<b>Locus ID:</b>	5711
<b>UniProt ID:</b>	<a href="#">Q16401</a>
<b>Cytogenetics:</b>	9q33.2
<b>Gene Summary:</b>	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. This gene encodes a non-ATPase subunit of the 19S regulator base that functions as a chaperone protein during 26S proteasome assembly. [provided by RefSeq, Jul 2012]