

## Product datasheet for **MC217173**

### **Psm5 (NM\_080554) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Psm5 (NM_080554) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psm5
Synonyms:	1500032A03Rik; AW475925; mKIAA0072; S5b; W91691
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217173 representing NM\_080554  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCGCAGGCTGTGTCGCTCCTGCGGGAGGTGGCGGGCTGGAGGCGCCGCTGGAGGAGCTTCGTG  
 CGCTGCAGTCAGTGGTGCAGGCTGTGCCGCTGCACGAGCTTCGCGAGCAGGCGGGGAGCTACGCCCTCCG  
 CCCGCTGTTCTCCTTGCTTAACCAAGAACATCGGGAACAGACTGCTTTGTGTCTCCATTCTGGAGAGG  
 CTGCTCCAAGCTGTGGAGCCGATTCACTTGGCCAGGAACCTCAGGCTTGACCTGCAGAGGGGACTGACTC  
 ACCCTGATGACTCTGTA AAAACCCTCACTCTGTCGAGATTGGAAGAATTGTTGAAAATTCAGAAGCTGT  
 TACTGAGATTCTCAATAATGCTGAGCTGTTGAAACAGATTGTTTATTGCATTGGCGGAGAGAATTTATCT  
 GTTGCTAAAGCGGCTATTAATCCCTGTCGAGAATCACTAACCAGGCTGGCCTGGAAGCTCTGTTTG  
 AAAGTAACCTGCTGGATGATTTGAAGAATGTAATGAAAACAAACGACGTTGTTTCGATACAGGGTCTATGA  
 GCTAATTATAGATATTTCTTCTGTGTCATCAGAATCTTTAACTACTGTACCACAAGTGGACTGGTACT  
 CAACTCTAAAAGAGCTGACGGGTGAGGACGTGTTAGTCAGAGCCACCTGTATAGAAATGGTGACATCAC  
 TAGCTTATACCCATCACGGACGACAATACCTTGCTCAAGAAGGAGTCAATTGACCAGATATCCAATATAAT  
 TGTTGGCGCAGATTAGACCCCTTCTCTGGCTTCTATCTGCCAGGATTTGTGAAGTTTTTGGAAACCTG  
 GCCGTCATGGATAGTCCCTCAGCAGATCTGTGAGCGCTACCCTGTTTTCTGGAGAAGGTGTTTGAATGG  
 CGGATAGTCAAGACCCACCATGATTGGTGTGCTGTCGACACAGTTGGAATCCTGGGATCCAGTGTGGA  
 AGGAAAACAAGTTTTACAGAAGACAGGAACCCGCTTTGAACGTGTCCTCATGAGAGTAGGATATCAAGCA  
 AAGAAATGCTTCCACGGAGCTGAAGATTAGGTGCTTGGATGCAGTTTCTCTCTCCTGTATTTATCGCCTG  
 AGCAGCAGACTGATGACTTCTGGGAATGACAGAATCCTGGTTTTCTCCATGCTCGAGACTCCCTGGA  
 GCTTTTCCGTGGTATCAGTAACCAAGCCCTTCCCGGAGCTACACTGTGCTGCCTTGAAGTTTTCACAGCT  
 ATTGCAGACCAGCCCTGGGCTCAGAGACTTATGTTTAAACAGTCCAGGTTTTGTAGAGTTTGTGATGGACC  
 GGTCTGTGGAACATGACAAAGCTTCAAAGGATGCCAAATATGAACTGGTAAAAGCACTTGCCAATCCAA  
 GACAGTTGCAGAGATCTTTGGAACTCAAATTATTTGAGGCTCAGAGCGTACCTAAGTGAAGGTCCATAC  
 TATGTGAAACCTGTTGCCACAACAGCAGTAGAAGGGGCTGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_080554

**Insert Size:** 1515 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_080554.2](#), [NP\\_542121.2](#)

**RefSeq Size:** 2065 bp

**RefSeq ORF:** 1515 bp

**Locus ID:** 66998

**UniProt ID:** [Q8BJY1](#)

**Cytogenetics:** 2 B

**Gene Summary:** Acts as a chaperone during the assembly of the 26S proteasome, specifically of the base subcomplex of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly is part of an intermediate PSMD5:PSMC2:PSMC1:PSMD2 module which probably assembles with a PSMD10:PSMC4:PSMC5:PAAF1 module followed by dissociation of PSMD5 (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).