

Product datasheet for **MC200243**

Psm3 (NM_009439) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psm3 (NM_009439) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psm3
Synonyms:	AI255837; AntP91a; D11Bwg1349e; Psd3; Tstap91a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003197 sequence for NM_009439
 CTGGCATTCCCAGAAGCCCCAGCGCCGGGAAGGAGTTTGCAGCTGCTCGGTTCATCGTGCGGCCGACGC
 GAGCCCGCGTGGTGTGCAGGCCGGCTCTGTGCTGGTCTCTGGTGTGAGGGTTTACGCGAGGCCCTG
 CTTCCGGTCCCCGGACTAGGCCTCGACCCCGGGCCCATGAAGCAGGAGGGCTCGGCGCGGCCGAGGCG
 CCGACAAGGCAAAGCCCGCCGGGAGGGGAACAAGAACCGCCACCAGGCCCCAGGATGTGGAGAT
 GAAAGAGGAGGCAGCAGCTGGGAGCGCTCCACGGGGAGGGAGACGGCAAGGCAGCTGCGACCGAGCAC
 TCCCAGAGAGAGCTGGACACTGTCACCTTAGAAGACATCAAAGAGCACGTGAGACAGCTAGAGAAGGCTG
 TTTCCGGCAAGGAGCCTCGTTCGTGCTGAGGGCGTGCAGGATGCTGCCGTCCACGTCACGCCCTCAA
 CCACTATGTTCTGTACAAGGCTGTGCATGGCTTTCACCTCCAATAACGCCACTCGAGACTTCTTGCTA
 CCCTTCTAGAAGAACCATGGACACAGAAGCCGACCTGCAGTTTCGTCCTCGCACAGGAAAAGCGGCAT
 CAGCGCTCTCCTGCCTGAGGTGGAAGCCTACCTGCAGCTGCTCATGGTTCATCTTCTGATGAACAGCAA
 GCGCTACAAGAGGCACAGAAAATCTCTGATGACCTGATGCAGAAGATCAGCACTCAGAACCGCCGAGCC
 CTGGACCTCGTAGCTGCCAAGTGTACTATTATCACGCCGGGTCTATGAGTTCCTGGACAAGCTGGATG
 TGGTGCAGCTTCTTGCATGCCCGCTCCGGACAGCCACCCTGCGGCACGATGCTGACGGACAGGCTAC
 CCTTTGAACCTCCTGCTTCGGAATTACCTGCACTACAGCTTGTATGACCAGGCTGAGAAGCTGGTATCC
 AAGTCTGTGTTCCCTGAGCAAGCCAACAACAATGAGTGGGCCAGGTACCTCTATTACACAGGGCGAATCA
 AGGCTATCCAGCTGGAGTACTCTGAAGCCCGGAGAACGATGACCAATGCCCTTCGAAAGGCTCCACAGCA
 CACAGCTGTTGGCTTCAAACAGACGGTGCACAAGCTTCTGATCGTGGTAGAGCTCCTGCTGGGGGAGATC
 CCAGACCGCTGCAGTTCGCCAGCCCTCCCTAAAGCGCTCCCTCATGCCCTACTTCTTCTCACCCAAG
 CTGTTAGGACAGGAAATCTTCCAAGTTCAACCAAGTTCTGGATCAGTTTGGGGAGAAGTTTCAAACGGA
 TGGGACCTACACCCTGATTATCCGACTGCGACACAATGTGATCAAGACAGGTGTGCGCATGATCAGCCTG
 TCATTTCGGGATCCCTGGCCGACATCGCCAGAAGCTGCAGCTGGATAGCCAGAAGATGCAGAGT
 TCATTGTCGCAAGGCCATCCGGGACGGCGTGATTGAGGCCAGCATCAATCACGAGAAGGGATACGTCCA
 ATCCAAAGAGATGATTGACATCTATTCCACCCGGGAGCCAGCTGGCCTTCCACCAGCGCATCTCCTTC
 TGCTGGACATCCACAACATGTCTGTCAAGCCATGCGCTTTCCTCCCAAATCCTACAACAAGGACCTGG
 AGTCTGCAGAGGAGCGGCGAGAGCGGGAGCAGCAGGACCTGGAGTTTGCCAAGGAGATGGCGGAGGATGA
 CGACGACAGCTTCCCCTGAGCCAGGCCGGGGAGGGGCGGGTGTGAGTGGAGACTGGCTTTTTCTTTTTT
 CCTCAGGTGTCCCCTGCCCGGAAACTGTTCTCCGTTTCCACACACGGCTCACAGACTGCATATGTGCA
 GGGGTCAAGGATGCTGGGAGCCAACCGTCCCCTTCTGCTACCATGCCTCTCTGTAGCTGGTGACAGTAC
 CCTGTGGGCGGGAGAGAGGTGGCAGCCTCCAGGAGGCAGGGTCTGCCTCATGGTGGTGTGGTGGCAGG
 AGGGACGGACAGAACCATGGATTAGGGTGTGGACTAGGGCTGGAGTTGGGACAGCTTGGGTTCTATGT
 TTTTGAAGCTTCAATTATGATTTTTAAACAATAAAAAGTTCTCCAGAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_009439
- Insert Size:** 1593 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: [BC003197](#), [AAH03197](#)

RefSeq Size: 2167 bp

RefSeq ORF: 1593 bp

Locus ID: 22123

UniProt ID: [P14685](#)

Cytogenetics: 11 62.39 cM

Gene Summary: Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair.[UniProtKB/Swiss-Prot Function]