

Product datasheet for **MC200189**

Psmd12 (NM_025894) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmd12 (NM_025894) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psmd12
Synonyms: 1500002F15Rik; AI480719; P55
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004694 sequence for NM_025894
 ACTTCCGGTGCAGTGACGAGTGGTGGCCGAACCTGGGGTACAGCAGGGGACTCTTAGGCAGGGACCATG
 GCGGACGGTGGCTCGGAGCGGGCCGATGGGCGCATTGTGAAGATGGAAGTGGACTACAGCGCCACGGTGG
 ACCAGCGCCTGCCTGAGTGCGAGAAGCTGGCCAAGGAAGGGCGGCTTCAAGAAAGTATCGAAACCCTTCT
 CTCTCTAGAAAAGCAGACCCGGACTGCCTCTGACATGGTGTCCACGTCCCGCATCTTGGTTGCAAGTGTG
 AAAATGTGCTATGAGGCTAAAGAATGGGACTTACTTAATGAAAATATTATGCTTCTGTCAAAACGACGGA
 GTCAGTAAAACAAGCAGTTGCAAAAATGGTTCAGCAGTGTGTACTTACGTGGAGGAGATCACAGACCT
 GCCAGTCAAGCTGCGATTGATTGATACTCTGCGGATGGTTACAGAAGGAAAGATTATGTTGAAATTGAG
 CGTGCTCGGCTGACTAAAACCTTAGCAACTATTAAGAGCAAAAATGGCGATGTGAAAGAGGCTGCCTCCA
 TCCTTCAAGATTACAGGTGAAACCTATGGGTCCATGGAGAAGAAGGAGCGAGTGAATTCATTCTGGA
 GCAGATGAGACTCTGCCTAGCTGTGAAGGATTACATTCGCACACAGATCATTAGCAAAAAATTAATACC
 AAATTCCTCAAGAAGAAAACACAGAGAACTTGAAGTTGAAGTACTATAACTTAATGATTAGCTGGATC
 AGCACGAGGGGTCTATCTGTCCATCTGCAAACTACAGAGCCATCTATGACACTCCCTGCATTACGGC
 AGAAAAGTACAAGTGGCAGCAGGCTCTGAAAAGTGTGTTCTCTATGTTATCCTGGCTCCTTTTGACAA
 GAGCAATCAGATTTGGTTCACCGGATAAGCAGTGACAAGAAGCTGGAAGAAATCCCAAACAAGGATC
 TGCTGAAGCTTTTACCACCATGGAGCTGATGCGCTGGTCCACTTGTGAGGACTATGGGGTGGAGCT
 GCGAAAAGGCTCCTCAGAGACCCCGCGACTGACGTTTTAGCTCTACAGAAGAAGGGGAAAAGAGGTGG
 AAAGACTTGAAGAGCAGAGTGGTGGAGCACAACATCAGAATTATGGCCAAGTACTACACTCGGATAACAA
 TGAAGAGGATGGCACAACCTCTGGATCTCTGTGGATGAGTCAAGAGGCTTTCCTCTCGAATCTAGTCTG
 TAACAAGACCATCTTTGCTAAAGTAGACAGGTTGGCTGGAGTCATCAACTTCCAGAGACCCAAGGATCCA
 AATAATTTATTAATGACTGGTCTCAGAACTGAACTCGCTGATGTCTCTGGTTAACAAAACGACACACC
 TCATAGCCAAAGAGGAGATGATACATAATCTACAATGAGGCTCTGGATGCTTTTGAAGACACAAAATTG
 GAGGTCATTAAGAAAGAAAGACTGTTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_025894



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Insert Size:	1371 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:	<ol style="list-style-type: none">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:	BC004694 , AAH04694
RefSeq Size:	1515 bp
RefSeq ORF:	1371 bp
Locus ID:	66997
UniProt ID:	Q9D8W5
Cytogenetics:	11 E1
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]