

Product datasheet for **MC210848**

Psmd11 (NM_178616) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmd11 (NM_178616) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psmd11
Synonyms: 1700089D09Rik; 1810019E17Rik; 2610024G20Rik; 2810055C24Rik; C78232; P44.5; S9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210848 representing NM_178616
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCCGAGCGGTGGTGGAGTTCAGAGAGCCAGTCTCTACTCAGCACCGACCGGGAGGCCTCCA
TCGACATCCTCCACTCCATCGTAAACGTGACATTCAGAAAAATGATGAGGAGGCAGTCCAGGTCAAAGA
GCAGAGCATCCTTGAAGTGGGTTCTCTCTGGCGAAGACTGGACAAGCTGCTGAGCTTGGAGGACTCCTG
AAGTATGTACGGCCTTTCTTGAATTCATCAGTAAAGCTAAAGCAGCTCGTCTGGTCCGGTCTCTCTTG
ATCTGTTTCTAGATATGGAAGCAGCCACAGGGCAGGAGGTCGAGCTATGTTTAGAGTGCATCGAATGGGC
CAAATCAGAGAAAAGAACTTTCTTACGCCAAGCATTGGAGGCAAGGCTGGTGTCTTTGTATTTTGATACC
AAGAGGTACCAGGAAGCATTGCATTTGGGTTCTCAGCTGCTTCGGGAGTTGAAAAAGATGGATGATAAAG
CCTTTTGGTGGAAAGTACAGCTTTTAGAAAGCAAACTTACCATGCTCTGAGTAATCTGCCGAAAGCCCG
AGCTGCCTAACCTCTGCTCGAACCACAGCAAAATGCCATCTACTGCCCCCTAAATTGCAGGCCACCCTG
GACATGCAGTCAGGCATTATTCATGCAGCAGAGGAGAAGGACTGGAAAAGTGCATACTCATACTTCTATG
AGGCATTCGAAGGCTACGACTCCATTGATAGCCCCAAGGCCATCACATCTCTGAAGTACATGTTGCTGTG
CAAAATCATGCTCAACACCCAGAAAGATGTCAGGCTTTGGTGGAGCGAAAGCTTGCACTTCGGTATGCA
GGGAGGCAGACAGAAGCATTGAAATGTGTGGCTCAAGCTAGCAAGAACAGATCACTGGCAGATTTTGAAA
AGGCCCTGACAGACTACAGGGCAGAGCTCCGGGATGACCCAATCATCAGCACACATTTGGCCAAGCTGTA
CGATAACTTACTGGAACAGAATCTGATCCGGGTATCGAGCCTTTTTCCCGAGTCCAGATTGAACACATA
TCTAGCCTCATCAAATCTCCAAGGCCGACGTGGAAAAGAAAATTATCACAGATGATTCTTGACAAGAAGT
TTCATGGGATTTGGACCAGGGGAGGGTGTCTGATCATTTTCGATGAACCCCAAGTATGATAAACTTA
TGAAGCTGCTCTGGAACTATTCAGAACATGAGTAAAGTAGTGGACTCCCTCTACAGCAAAGCCAAGAAG
CTGACATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_178616 |
| Insert Size: | 1269 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: | NM_178616.3 , NP_848731.2 |
| RefSeq Size: | 1743 bp |
| RefSeq ORF: | 1269 bp |
| Locus ID: | 69077 |
| UniProt ID: | Q8BG32 |
| Cytogenetics: | 11 B5 |
| 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. In the complex, PSMD11 is required for proteasome assembly. Plays a key role in increased proteasome activity in embryonic stem cells (ESCs): its high expression in ESCs promotes enhanced assembly of the 26S proteasome, followed by higher proteasome activity.[UniProtKB/Swiss-Prot Function] |