

Product datasheet for **MC218109**

Psmid8 (BC005717) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmid8 (BC005717) Mouse Untagged Clone
Tag: Tag Free
Symbol: Psmid8
Synonyms: 6720456J22Rik; AA407360; AL033291; AL033322; AL033323; C76433
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC005717
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTACGAGCAACTCAAGGACGAGTGGAAACCGGAAGCCGAACCTTAGTAAATGTGGAGAAGAACTGG
GCCGCTGAAGTTGGTTCTGCTTGAGCTCAATTCCTGCCAACCCAGGGACCAAAGTACTAAACAGCA
ACTCATTCTGGCCCGTGACATTCTGGAGATCGGGGCCAGTGGAGCATCCTGTGCAAAGACATTCCTCC
TTCGAGCGCTACATGGCCCAACTCAAATGCTACTACTTTGATTACAAAGAACAGCTTCTGAGTCAGCCT
ATATGCACCAGCTCCTGGGCCTCAATCTCCTCTTCTGCTATCTCAGAACCAGTGGCTGAGTTCACAC
AGAATTAGAACGATTACCTGCCAAGGACATCCAGACCAATGTCTACATCAAACACCCTGTTCCCTCGAG
CAATACCTCATGGAGGTAGCTACAACAAGGATTCCTGGCTAAGGGGAACATCCCTGCCGAAAGCTACA
CCTTCTTCATTGACATCCTGCTGGATACCATCAGGGATGAAATCGCAGGATGCATTGAGAAGGCCTATGA
GAAAATCCTTTTTGCTGAGGCTACCCGGATCCTCTTCTCAGCACACCCAAAAAGATGACAGACTATGCC
AAGAAGCGAGGTTGGGTGCTGGCCCTAACAACACTACAGCTTTGCCAGCCAGCAGCAGAAGCCAGAAG
ACAGACCATCCCCTCTACTGAAGTGGCCAAACAAGTCATCGAGTATGCCCGCAGCTGGAGATGATTGT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC005717
Insert Size: 774 bp



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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:	<u>BC005717</u> , <u>AAH05717</u>
RefSeq Size:	1178 bp
RefSeq ORF:	773 bp
Locus ID:	57296
Cytogenetics:	7 B1
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]