

Product datasheet for MC210136

Psmd8 (NM_026545) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmd8 (NM_026545) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psmd8
Synonyms:	6720456J22Rik; AA407360; AL033291; AL033322; AL033323; C76433
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210136 representing NM_026545 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTCAATTAAGGGTCGGGCTGCGAAGACACCCGAGGAGAGCCGCGGCTCCTCCCGCGGGGGCGGA
AACTGGCAGTGGTAGCTCCGCCTCCAGTTTGGGCTCCACCTCCCGGCTCATTCCCGCGGGAGTCCAT
TGCCCGGCGTCGCTGCCGTAAGTCGGTCGGCGGCTTGCCGCATCACGGAAGATGGCGGCCACAGCGGT
ACGGTGAACGGGTCGACCACGCTCTGAGCTCCGACCCGCGGCCACCTCGGTCGGGATCCTGCAGGCAG
CGGCCGGCATGTACGAGCAACTCAAGGACGAGTGAACCGGAAGAACCCGAACCTTAGTAAATGTGGAGA
AGAACTGGGCGCCTGAAGTTGGTCTGCTTGAGCTCAATTTCTGCCAACCACGGGGACCAAACTGACT
AAACAGCAACTATTCTGGCCCGTGACATTCTGGAGATCGGGGCCAGTGAGCATCCTGTGCAAGACA
TTCCCTCCTTCGAGCGCTACATGGCCCAACTCAATGCTACTACTTTGATTACAAAGAACAGCTTCTGA
GTCAGCCTATATGCACCAGCTCCTGGGCTCAATCTCCTCTTCTGCTATCTCAGAACCGAGTGGCTGAG
TTCCACACAGAATTAGAACGATTACCTGCCAAGGACATCCAGACCAATGTCTACATCAAACACCTGTTT
CCCTCGAGCAATACCTCATGGAGGTAGCTACAACAAGTATTCTGGCTAAGGGGAACATCCCTGCCGA
AAGCTACACCTTCTTCATTGACATCCTGCTGGATACCATCAGGGATGAAATCGCAGGATGCATTGAGAAG
GCCTATGAGAAAATCCTTTTGTGAGGCTACCCGGATCCTCTTTCAGCACACCAAAAAGATGACAG
ACTATGCCAAGAAGCGAGGTGGGTGCTGGGCCCTAACAACTACTACAGCTTTGCCAGCCAGCAGCAGAA
GCCAGAAGACAGCACCATCCCCTCTACTGAACTGGCCAAACAAGTCATCGAGTATGCCCGGCAGCTGGAG
ATGATTGTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI


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ACCN:	NM_026545
Insert Size:	1062 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_026545.3</u> , <u>NP_080821.3</u>
RefSeq Size:	1529 bp
RefSeq ORF:	1062 bp
Locus ID:	57296
UniProt ID:	<u>Q9CX56</u>
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]