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Product datasheet for MC227378

Psmd4 (NM_001282017) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Psmd4 (NM_001282017) Mouse Untagged Clone

Tag: Tag Free

Symbol: Psmd4

Synonyms: Af1; angiocidin; Mcb1

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

Fully Sequenced ORF:

>MC227378 representing NM_001282017
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGTTGGAGAGCACTATGGTTTGTGTGGACAACAGTGAGTACATGCGGAACGGAGACTTCCTTCCCA
CCCGGCTGCAGGCCCAGCAGGATGCCGTCAACATTGTATGTCACTCAAAGACCCGAAGCAACCCTGAGAA
TAACGTGGGCCTGATCACACTGGCCAATGACTGTGAGGTGCTGACCACACTCACCCCGGACACTGGCCGT
ATCCTCTCCAAGCTCCACACTGTCCAACCCAAAGGCAAGATCACCTTCTGCACTGGCATCCGCGTGGCCC
ACTTGGCTCTGAAGCACCGGCAGGGCAAGAATCACAAGATGCGCATCATCGCCTTTGTCGGTAGCCCTGT
GGAGGACAACGAGAAGGATCTGGTGAAACTAGCTAAACGCCTTAAGAAAGAAAAAGTGAATGTTGACATC
ATTAATTTTGGGGAAGAGGAGGTGAACACAGAGAAGCTGACAGCCTTTGTGAACACACTGAATGGCAAGG
ATGGAACTGGGTCCCATCTAGTGACAGTGCCTCCTGGACCTAGCTTGGCTGATGCTCTCATCAGTTCTCC
TATTCTGGCTGGTGAAGGCGGTGCCATGCTGGGTCTTGGTGCCAGTGACTTTGAGTTTGGAGTAGATCCC
AGTGCTGATCCTGAATTGGCCCTGGCCCTTCGAGTCTCTATGGAAGAGCAGCGGCAGCGGCAGGAGGAAG
AGGCACGGCGGGCCGCTGCGGCCTCTGCAGCTGAGGCTGGAATTGCTACACCTGGGACTGAAGGTGAAAG
AGACTCGGATGACGCCCTACTGAAGATGACCATCAACCAGCAGGAGTTTGGCCGTCCTGGGCTTCCAGAC
CTAAGCAGCATGACTGAGGAAGAGCAGATCGCCTACGCCATGCAGATGTCCCTGCAGGGAACAGAGTTTA
GCCAAGAATCGGCTGACATGGATGCCAGCTCAGCCATGGACACATCTGATCCAGTCAAGGAGGAGGATGA
CTATGACGTCATGCAGGACCCGGAGTTCCTTCAGAGCGTCCTAGAGAACCTTCCAGGTGTGGATCCCAAC
AATGCAGCCATTCGAAGTGTCATGGGGGCTCTGGCCTCCCAGGCCACCAAGGATGGCAAGAATGACAAGA
AAGAGGAAGAGAAGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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ACCN:	NM_001282017
Insert Size:	1140 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	NM_001282017.1, NP_001268946.1
RefSeq Size:	1344 bp
RefSeq ORF:	1140 bp
Locus ID:	19185
UniProt ID:	O35226
Cytogenetics:	3 40.74 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. PSMD4 acts as an ubiquitin receptor subunit through ubiquitin-interacting motifs and selects ubiquitin-conjugates for destruction. Displays a preferred selectivity for longer polyubiquitin chains.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).