

Product datasheet for **MC222787**

Psmid1 (NM_027357) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmid1 (NM_027357) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psmid1
Synonyms:	2410026J11Rik; P112; S1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222787 representing NM_027357
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCACTTCAGCCGCTGGAATTATTTCTCTTCTGGATGAAGAAGGCCACAGCTTAAGGAATTTGCAC
 TACACAAATTGAATGCAGTCGTGAATGACTTCTGGGCAGAGATTTCTGAGTCTGTAGATAAAATAGAAGT
 TTTATATGAAGATGAAGGTTTCCGAAGTCGGCAGTTTGCAGCCCTGGTGGCCTCGAAAGTGTTTTATCAC
 CTGGGGGCTTTTGGAGTCTCTGAATTATGCTCTTGGAGCAGGTGACCTCTCAACGTCATGATAACT
 CTGAATATGTGGAGACTATTATAGCAAAATGCATTGATCATTATACCAAACAGTGTGGAAAAATGCAGA
 TTTGCCTGAAGGAGAAAAAAGCCAATTGACCAGCGATTGGAAGGCATCGTGAATAAAATGTTCCAGCGA
 TGTCTCGATGATACAAGTATAAGCAAGCGATTGGCATTGCTCTGGAGACCAGGAGACTGGATGTCTTTG
 AGAAGACTATACTGGAATCTAATGATGTCCAGGAATGCTAGCTTACAGCCTCAAACCTGTCATGTCTTT
 AATGCAGAATAAACAGTTTCGGAATAAAGTATTGAGAGTCTTGGTTAAAACTACATGAACCTGGAAAAAG
 CCTGATTTTCATCAATGTTTGTGAGTGTAAATTTCTTAGATGATCCTCAGGCTGTGAGTGAATTTTAG
 AAAAACTGGTAAAGGAGGACAACCTGCTGATGGCCTATCAGATTTGTTTTGATTTGTACGAAAGTGTAG
 CCAGCAGTTCTTGTATCTGTATCCAGAATCTTCGAACTGTTGGTACCCCTATTGCTTCTGTGCTGGA
 TCTACCAATACGGGGACTGTGCCAGGATCAGAGAAAGACAGTGACCCCATGGAGACGGAGGAGAAGACAG
 CCAGTGCAGTGGCTGGGAAGACACCAGATGCGAGTCCAGAGCCCAAGGACCAGACACTGAAAAATGATTAA
 GATTTTAAAGTGGTGAATGGCTATTGAATTACACCTGCAGTTCCTAATACGAAATAAACAACAGACCTC
 ATGATTTGAAAAACACAAGGATGCAGTACGAAATCTGTGTGCATACAGCAACTGTAATAGCAAAT
 CATTATGCAGTGTGGTACTACCAGTGACCAGTTTCTTAGAGATAACTTGAATGGTTGGCCAGAGCCAC
 CAACTGGGCCAAATTTACTGCAACGGCCAGCTTGGGTGTAATCCATAAGGGCCATGAGAAGGAAGCACTA
 CAGTTAATGGCAACATACCTTCTAAGGACACTTCTCCAGGATCAGCCTATCAGGAAGGGGGCGTCTCT
 ATGCATTTGGTCTCATTGATGCCAATCATGGTGGTGCATAAATTGACTATCTCCTAATCAGCTCAAGAA
 TGCCAGCAATGATATTGTTGAGATGGAGGCGCCTGGGCCTTGGTTGGCTGCAATGGAACTGCACGT
 CAGGATGTGATGATTTGCTGAAAAACAACCTGTATCAGGATGATGCTGTGACAGGGGAGGCAGCTGGCC
 TAGCCTTAGGTTTGGTTATGTTAGGTTCTAAAAATGCCAGGCGATTGAGGATATGGTTGGCTATGCACA
 AGAGACTCAACACGAGAAGATTCTGCGCGTCTGGCAGTTGGCATTGCGTTAGTGTGACGGGAGGATG
 GAGGAGGCTGATGCTCTCATTGAGTCTCTGTGCTGACAAGGACCCAATCTTAGAAGATCTGGAATGT
 ATACTGTAGCCATGGCTTATTGTGGCTCTGGTAACAACAAGCCATTTCGGCGCCTGCTACATGTTGCTGT
 AAGTGATGTCAATGATGATGTCAGAAGAGCAGCAGTGGAGTCACTTGGCTTCATTTTGTTCAGGACGCC
 GAACAGTGTCCAAGTGTGGTTTCTTTGTTGTGACAGAGTTATAACCCTCAGTGCCTATGGAGCTGCAA
 TGGCCCTGGGAATCTGCTGTGCTGGTACAGGAAACAAGGAAGCAATTAATTTACTAGAGCCAATGACCAA
 CGACCCTGTGAACTACGTGAGGCAAGGGGCTCTGATAGCTTCAGCTCTCATGATCCAACAGACTGAG
 ATCACGTGTCAAAGGTGAATCAGTTCGGCAGCTGTATTCAAAGTCATCAATGACAAACATGATGATG
 TCATGGCCAAATTTGGCGCTATTCTGGCCCAAGGCATACTGGATGCAGGTGGTCAATATGCACAATCTC
 CTTACAGTCCAGGACTGGGCACACTCATATGCCGTCTGTGGTTGGCGTCTTGTCTTCAACCCAGTCTGG
 TTCTGGTTTCCCTTTCACACTTCTGTGATTGGCTTATACTCCTACCTGTGTCATTGGCCTTAACAAGG
 ATTTAAAGATGCCGAAAGTTCAATATAAATCAAATTTGAAACCATCCACATTCGATATCTGCCCTCT
 GGAAGTACAAAAGAAAAAGAAAAAGGAAAGGTTTCCACCCTGTGTTGTCTATTACTGCCAAAGCTAAA
 AAAAAAGAAAAAGAAAAAGAAAAAGGAGGAGGAGAAGATGGAAGTGGATGAAGCAGAGAAGAAGGAAG
 AGAAAGAGAAGAAAAAGAACCTGAACCAAATCCAGCTGTTGGATAATCCAGCAGGATATGCCTGC
 CCAGCTGAAGGTCTTAAGTATGACAGAGACCTGCAGATACCAGCCTTTAAACCACTCTCCATCGGGGGC
 ATCATAATCTGAAAGACACCAGCGAAGACGTTGAAGAAGTCTGGAACCCGTGGCAGCACAGGCCCAA
 AGATTGAAGAGGAAGAGCAAGAGCCAGAGCCCCAGAGCCGTTGAGTATATCGATGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_027357
Insert Size:	2862 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_027357.2 , NP_081633.1
RefSeq Size:	3256 bp
RefSeq ORF:	2862 bp
Locus ID:	70247
UniProt ID:	Q3TXS7
Cytogenetics:	1 C5
Gene Summary:	In eukaryotic cells, most proteins in the cytosol and nucleus are degraded via the ubiquitin-proteasome pathway. The 26S proteasome is a self-compartmentalizing protease comprised of approximately 31 different subunits. It contains a barrel-shaped proteolytic core complex (the 20S proteasome), capped at one or both ends by 19S regulatory complexes, which recognize ubiquitinated proteins. Protein degradation by proteasomes is the source of most antigenic peptides presented on MHC class I molecules. This gene encodes a non-ATPase subunit of the 26S proteasome. [provided by RefSeq, Jul 2008]