OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG227375

Psmd1 (NM_027357) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmd1 (NM_027357) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Psmd1
Synonyms:	2410026J11Rik; P112; S1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

ORF Nucleotide Sequence:

>MG227375 representing NM_027357
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCACTTCAGCCGCTGGAATTATTTCTCTTCTGGATGAAGAAGAGCCACAGCTTAAGGAATTTGCAC
TACACAAATTGAATGCAGTCGTGAATGACTTCTGGGCAGAGATTTCTGAGTCTGTAGATAAAATAGAAGT
TTTATATGAAGATGAAGGTTTCCGAAGTCGGCAGTTTGCAGCCCTGGTGGCCTCGAAAGTGTTTTATCAC
CTGGGGGCTTTTGAGGAGTCTCTGAATTATGCTCTTGGAGCAGGTGACCTCTTCAACGTCAATGATAACT
CTGAATATGTGGAGACTATTATAGCAAAATGCATTGATCATTATACCAAACAGTGTGTGGAAAATGCAGA
TTTGCCTGAAGGAGAAAAAAAGCCAATTGACCAGCGATTGGAAGGCATCGTGAATAAAATGTTCCAGCGA
TGTCTCGATGATCACAAGTATAAGCAAGCGATTGGCATTGCTCTGGAGACCAGGAGACTGGATGTCTTTG
AGAAGACTATACTGGAATCTAATGATGTCCCAGGAATGCTAGCTTACAGCCTCAAACTCTGCATGTCTTT
AATGCAGAATAAACAGTTTCGGAATAAAGTATTGAGAGTCTTGGTTAAAATCTACATGAACTTGGAAAAG
CCTGATTTCATCAATGTTTGTCAGTGCTTAATTTTCTTAGATGATCCTCAGGCTGTGAGTGATATTTTAG
AAAAACTGGTAAAGGAGGACAACCTGCTGATGGCCTATCAGATTTGTTTTGATTTGTACGAAAGTGCTAG
CCAGCAGTTCTTGTCATCTGTCATCCAGAATCTTCGAACTGTTGGTACCCCTATTGCTTCTGTGCCTGGA
TCTACCAATACGGGGACTGTGCCAGGATCAGAGAAAGACAGTGACCCCATGGAGACGGAGGAGAAGACAG
CCAGTGCAGTGGCTGGGAAGACACCAGATGCGAGTCCAGAGCCCAAGGACCAGACACTGAAAATGATTAA
GATTTTAAGTGGTGAAATGGCTATTGAATTACACCTGCAGTTCCTAATACGAAATAATAACACAGACCTC
ATGATTCTGAAAAACACAAAGGATGCAGTACGAAATTCTGTGTGTCATACAGCAACTGTAATAGCAAACT
CATTCATGCACTGTGGTACTACCAGTGACCAGTTTCTTAGAGATAACTTGGAATGGTTGGCCAGAGCCAC
CAACTGGGCCAAATTTACTGCAACGGCCAGCTTGGGTGTAATCCATAAGGGCCATGAGAAGGAAGCACTA
CAGTTAATGGCAACATACCTTCCTAAGGACACTTCTCCAGGATCAGCCTATCAGGAAGGGGGCGGTCTCT
ATGCATTGGGTCTCATTCATGCCAATCATGGTGGTGACATAATTGACTATCTCCTTAATCAGCTCAAGAA
TGCCAGCAATGATATTGTTCGACATGGAGGCAGCCTGGGCCTTGGTTTGGCTGCAATGGGAACTGCACGT
CAGGATGTGTATGATTTGCTGAAAACAAACCTGTATCAGGATGATGCTGTGACAGGGGAGGCAGCTGGCC
TAGCCTTAGGTTTGGTTATGTTAGGTTCTAAAAATGCCCAGGCGATTGAGGATATGGTTGGCTATGCACA
AGAGACTCAACACGAGAAGATTCTGCGCGGTCTGGCAGTTGGCATTGCGTTAGTGATGTACGGGAGGATG
GAGGAGGCTGATGCTCTCATTGAGTCTCTCTGTCGTGACAAGGACCCAATTCTTAGAAGATCTGGAATGT
ATACTGTAGCCATGGCTTATTGTGGCTCTGGTAACAACAAAGCCATTCGGCGCCTGCTACATGTTGCTGT
AAGTGATGTCAATGATGATGTCAGAAGAGCAGCAGTGGAGTCACTTGGCTTCATTTTGTTCAGGACGCCT
GAACAGTGTCCAAGTGTGGTTTCTTTGTTGTCAGAGAGTTATAACCCTCACGTGCGCTATGGAGCTGCAA
TGGCCCTGGGAATCTGCTGTGCTGGTACAGGAAACAAGGAAGCAATTAATTTACTAGAGCCAATGACCAA
CGACCCTGTGAACTACGTGAGGCAAGGGGCTCTGATAGCTTCAGCTCTCATCATGATCCAACAGACTGAG
ATCACGTGTCCAAAGGTGAATCAGTTCCGGCAGCTGTATTCCAAAGTCATCAATGACAAACATGATGATG
TCATGGCCAAATTTGGCGCTATTCTGGCCCAAGGCATACTGGATGCAGGTGGTCATAATGTCACAATCTC
CTTACAGTCCAGGACTGGGCACACTCATATGCCGTCTGTGGTTGGCGTCCTTGTCTTCACCCAGTTCTGG
TTCTGGTTTCCCCTTTCACACTTCCTGTCATTGGCTTATACTCCTACCTGTGTCATTGGCCTTAACAAGG
ATTTAAAGATGCCGAAAGTTCAATATAAATCAAATTGTAAACCATCCACATTCGCATATCCTGCCCCTCT
GGAAGTACCAAAAGAAAAAGAAAAGGAAAAGGTTTCCACCGCTGTGTTGTCTATTACTGCCAAAGCTAAA
AAAAAAGAAAAAGAAAAAGAAAAAAAGGAGGAGGAGAAGATGGAAGTGGATGAAGCAGAGAAGAAGGAAG
AGAAAGAGAAGAAAAAAGAACCTGAACCAAACTTCCAGCTGTTGGATAATCCAGCACGAGTTATGCCTGC
CCAGCTGAAGGTCTTAAGTATGACAGAGACCTGCAGATACCAGCCTTTTAAACCACTCTCCATCGGGGGC
ATCATAATTCTGAAAGACACCAGCGAAGACGTTGAAGAACTCGTGGAACCCGTGGCAGCACACGGCCCAA
AGATTGAAGAGGAAGAGCAAGAGCCAGAGCCCCCAGAGCCGTTCGAGTATATCGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Protein Sequence:

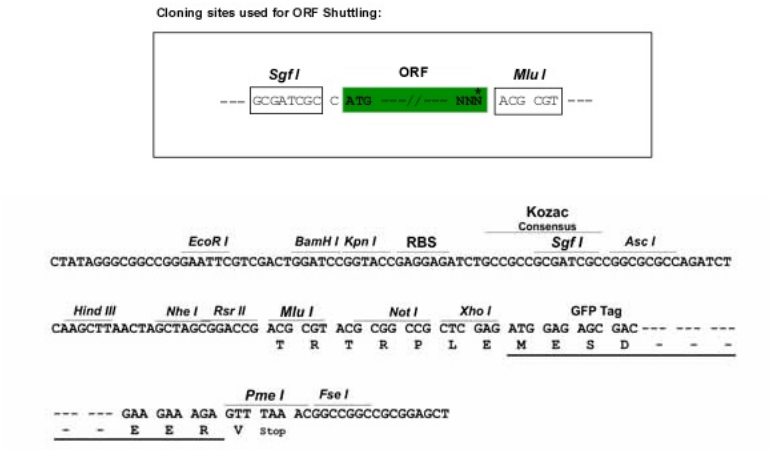
>MG227375 representing NM_027357
Red=Cloning site Green=Tags(s)

MITSAAGIISLLDEEEPQLKEFALHKLNAVVNDFWAEISESVDKIEVLYEDEGFRSRQFAALVASKVFYH
LGAFEESLNYALGAGDLFNVNDNSEYVETIIAKCIDHYTKQCVENADLPEGEKKPIDQRLEGIVNKMFQR
CLDDHKYKQAIGIALETRRLDVFEKTILESNDVPGMLAYSLKLCMSLMQNKQFRNKVLRVLVKIYMNLEK
PDFINVCQCLIFLDDPQAVSDILEKLVKEDNLLMAYQICFDLYESASQQFLSSVIQNLRTVGTPIASVPG
STNTGTVPGSEKDSDPMETEEKTASAVAGKTPDASPEPKDQTLKMIKILSGEMAIELHLQFLIRNNNTDL
MILKNTKDAVRNSVCHTATVIANSFMHCGTTSDQFLRDNLEWLARATNWAKFTATASLGVIHKGHEKEAL
QLMATYLPKDTSPGSAYQEGGGLYALGLIHANHGGDIIDYLLNQLKNASNDIVRHGGSLGLGLAAMGTAR
QDVYDLLKTNLYQDDAVTGEAAGLALGLVMLGSKNAQAIEDMVGYAQETQHEKILRGLAVGIALVMYGRM
EEADALIESLCRDKDPILRRSGMYTVAMAYCGSGNNKAIRRLLHVAVSDVNDDVRRAAVESLGFILFRTP
EQCPSVVSLLSESYNPHVRYGAAMALGICCAGTGNKEAINLLEPMTNDPVNYVRQGALIASALIMIQQTE
ITCPKVNQFRQLYSKVINDKHDDVMAKFGAILAQGILDAGGHNVTISLQSRTGHTHMPSVVGVLVFTQFW
FWFPLSHFLSLAYTPTCVIGLNKDLKMPKVQYKSNCKPSTFAYPAPLEVPKEKEKEKVSTAVLSITAKAK
KKEKEKEKKEEEKMEVDEAEKKEEKEKKKEPEPNFQLLDNPARVMPAQLKVLSMTETCRYQPFKPLSIGG
IIILKDTSEDVEELVEPVAAHGPKIEEEEQEPEPPEPFEYIDD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Plasmid Map:

ACCN:	NM_027357
ORF Size:	2859 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_027357.2, NP_081633.1
RefSeq Size:	3256 bp
RefSeq ORF:	2862 bp
Locus ID:	70247
UniProt ID:	Q3TXS7
Cytogenetics:	1 C5

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US