

Product datasheet for **MR222043**

Psmid13 (NM_011875) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmid13 (NM_011875) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psmid13
Synonyms: S11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222043 representing NM_011875
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGATGTGCCGGCCTTCTTACAGCAGAGTCAGAGCTCCGGGCCGGCCAGGCTGCCGTTTGGCACC
 GTTTGGAAGAGCTGTACACGAAGAAGTTGTGGCATCAGCTGACACTTGAGGTGCTTGATTTTGTGCAGGA
 CCCATGCTTTGCCAAGGAGATGGTCTCATTAAAGCTTTATGAAAACCTTCATCAGTGAGTTTGAGCACAGG
 GTAACCCTCTGTCCTGGTAGAATAATTCTCCATGTGGTTAGACAGATGACCGATCCTAATGTGGCTC
 TACTTTTCTGGAAAAGACTCGTGAGAAGTAAAAGTAGTGATGAAGCCGTGATCTTGTAAGACGGC
 AATCGGAGCTCTAAAATTAACATCGGGCATCTGCAGGCTACAAAAGGAAACCATTGAAGATGTTGAAGAG
 ATGCTCAACAATCTCCCTGGTGTGACGTCGGTTACAGTCGTTTCTATGATCTCTCCAGTAAATACTATC
 AAACAATCGGAAACCACGCGTCTACTACAAAGATGCTCTACGGTTTCTGGGCTGTGTGGATATCAAGGA
 CCTGCCAGTGTGAGAACAGCAAGAGAGACGCTTACACTGGGGCTTGCTGGACTTCTCGGAGAGGGAGTT
 TTTAACTTTGGAGAACTTCTCATGCACCCTGTGCTGGAGTCACTGAGGGACACTGACCGCAGTGGCTGA
 TGACACCCTGTACGCTTCAATAGCGGTGCTGTGGATAGGTTCCAGACACTGAAGTGTGCCTGGGGCCA
 GCAGCCTGACTTAGCAGCCAACGAAGCCAGCTTCTGAGGAAGATCCAGCTGTTGTGCCTTATGGAGATG
 ACTTTACACGGCCTGCCAACACAGACAACACTACTTTTGAAGAAATTGCCAAAAGTGCCAAAATCACTG
 TCAACAAGGTGGAGTTGCTGGTGTGAAGGCACTCTCGGTGGGGCTGGTGAGAGGCAGCATAGACGAGGT
 GGACAAGCGGTTACATGACGTGGGTGCACCCGAGTCTGGATTTGCAGCAGATCAAGGGGATGAAG
 GACCGTCTGGAGCTTTGGTGCAGTGTGAAGAGCATGGAGATGCTGGTGAACACCAGGCTCAGGACA
 TCCTCACC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222043 representing NM_011875
Red=Cloning site Green=Tags(s)

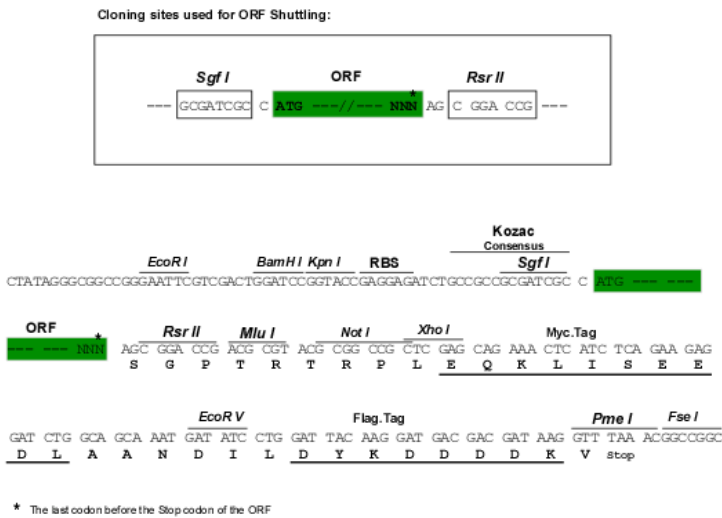
MKDVP AFLQQSSGPGQA AVWHRLEEL YTKKLWHQLTLEVLDFVQDPCFAQGDGLIKLYENFISEFEHR
 VNPLSLVEIILHVVRQMTDPNVALTFLEKTREKVKSSDEAVILCKTAIGALKLNIGDLQATKETIEDVEE
 MLNNLPGVTSVHSRFDLSSKYQTIGNHASYYKDALRFLGCVDIKDLPVSEQQERAFTLGLAGLLGEGV
 FNFGELLMHPVLESRLDTRQWLIDTL YAFNSGAVDRFQTLKCAWGQQPDLAANEAQLLRKIQLCLMEM
 TFTRPANHRQLTFEEIAKSAKITV NKVELLMKALSVGLVRGSIDEVDKRVHMTWVQPRVLDLQQIKGMK
 DRLELWCTDVKSMEMLEVHQADILT

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9058_g08.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_011875

ORF Size: 1128 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_011875.4](#), [NP_036005.1](#)

RefSeq Size: 1563 bp

RefSeq ORF: 1131 bp

Locus ID: 23997

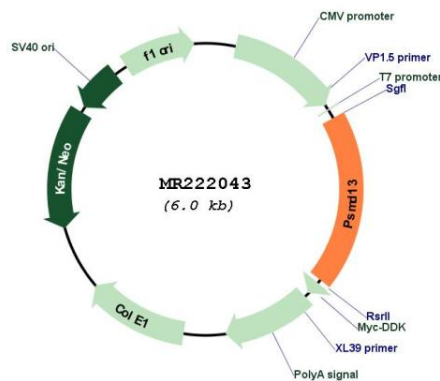
UniProt ID: [Q9WVJ2](#)

Cytogenetics: 7 F5

MW: 42.8 kDa

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]

Product images:



Circular map for MR222043