

Product datasheet for **MR206719**

Psmid11 (NM_178616) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmid11 (NM_178616) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmid11
Synonyms:	1700089D09Rik; 1810019E17Rik; 2610024G20Rik; 2810055C24Rik; C78232; P44.5; S9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR206719 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCGAGCGGTGGTGGAGTTCCAGAGAGCCAGTCTCTACTCAGCACCGACCGGGAGGCCTCCA
 TCGACATCCTCCACTCCATCGTGAAACGTGACATTCAAGAAAATGATGAGGAGGCAGTCCAGGTCAAAGA
 GCAGAGCATCCTTGAACGGGTTCTCTCTGGCGAAGACTGGACAAGCTGCTGAGCTTGGAGGACTCCTG
 AAGTATGTACGGCCTTTCTTGAATTCATCAGTAAAGCTAAAGCAGCTCGTCTGGTCCGGTCTCTTCTTG
 ATCTGTTTCTAGATATGGAAGCAGCCACAGGGCAGGAGTTCGAGCTATGTTTAGAGTGCATCGAATGGGC
 CAAATCAGAGAAAAGAACTTTCTACGCCAAGCATTGGAGGCAAGGCTGGTGTCTTTGATTTTGATACC
 AAGAGGTACCAGGAAGCATTGCATTTGGGTTCTCAGCTGCTTCGGGAGTTGAAAAAGATGGATGATAAG
 CCCTTTTGGTGGAGTACAGCTTTAGAAAGCAAACTTACCATGCTCTGAGTAATCTGCCGAAAGCCCG
 AGCTGCCTAACCTCTGCTCGAACCACAGCAAATGCCATCTACTGCCCCCTAAATTGCAGGCCACCTG
 GACATGCAGTCAGGCATTATTCATGCAGCAGAGGAGAAGGACTGGAAAATGCATACTCATACTTCTATG
 AGGCATTCGAAGGCTACGACTCCATTGATAGCCCCAAGGCCATCACATCTCTGAAGTACATGTTGTGTG
 CAAAATCATGCTCAACACCCAGAAAGATGTCCAGGCTTTGGTGGAGCGAAAGCTTGCATTCGGTATGCA
 GGGAGGCAGACAGAAGCATTGAAATGTGTGGCTCAAGTAGCAAGAACAGATCACTGGCAGATTTTGAAA
 AGGCCCTGACAGACTACAGGGCAGAGCTCCGGGATGACCCAATCATCAGCACACATTTGGCCAAGCTGTA
 CGATAACTTACTGGAACAGAATCTGATCCGGGTCATCGAGCCTTTTCCCGAGTCCAGATTGAACACATA
 TCTAGCCTCATCAACTCTCAAGGCCGACGTGGAAAGAAAATTATCACAGATGATTCTTGACAAGAAGT
 TTCATGGGATTTTGGACCAGGGGAGGGTGTCTGATCATTTTCGATGAACCCCAAGTAGATAAACTTA
 TGAACTGCTCTGGAACTATTCAGAACATGAGTAAAGTAGTGGACTCCCTCTACAGCAAAGCCAAGAAG
 CTGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206719 protein sequence
 Red=Cloning site Green=Tags(s)

MAAAVVEFQRAQSLSTDREASIDILHSIVKRDIQENDEEAVQVKEQSILELGSLLAKTGQAAELGLL
 KYVRPFLNSISKAKAARLVRSLLDLFLDMEAATGQEVLELCIEWAKSEKRTFLRQALEARLVSLYFDT
 KRYQEALHLGSQLLRELKMKDDKALLVEVQLLESKTYHALSNLPKARAALTSARTTANAICYPPKLQATL
 DMQSGIIHAAEEKDWKTAYSIFYEAFEGYDSIDSPKAITSLKYMLLCKIMLNTPEDVQALVSGKLALRYA
 GRQTEALKCVAQASKNRSADF EKALTDYRAELRDDPIISTHLAKLYDNLLEQNLIRVIEPFSRVQIEHI
 SSLIKLSKADVERKLSQMILDKKFHGI LDQEGVLIIFDEPPVDKTYEAALETIQNMSKVVDLSLYSKAKK
 LT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_178616

ORF Size: 1269 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_178616.3](#), [NP_848731.2](#)

RefSeq Size: 1743 bp

RefSeq ORF: 1269 bp

Locus ID: 69077

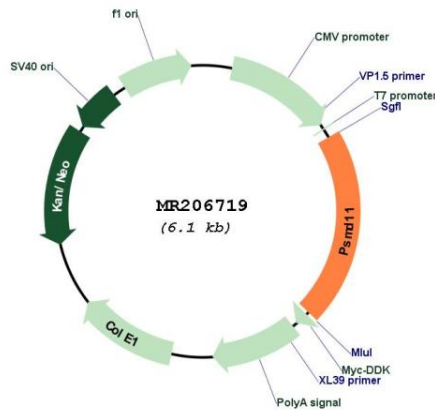
UniProt ID: [Q8BG32](#)

Cytogenetics: 11 B5

MW: 47.4 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. In the complex, PSMD11 is required for proteasome assembly. Plays a key role in increased proteasome activity in embryonic stem cells (ESCs): its high expression in ESCs promotes enhanced assembly of the 26S proteasome, followed by higher proteasome activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206719