

Product datasheet for **MG206719**

Psmid11 (BC090980) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmid11 (BC090980) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Psmid11
Synonyms:	S9, P44.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206719 representing BC090980 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCGCGAGCGGTGGTGGAGTTCAGAGAGCCAGTCTCTACTCAGCACCGACCGGGAGGCCCTCCA
TCGACATCCTCCACTCCATCGTGAACGTGACATTCAAGAAAATGATGAGGAGGCAGTCCAGGTCAAAGA
GCAGAGCATCCTGAACTGGGTTCTCTCCTGGCGAAGACTGGACAAGCTGCTGAGCTTGGAGGACTCCTG
AAGTATGTACGGCCTTTCTTGAATTCATCAGTAAAGCTAAAGCAGCTCGTCTGGTCCGGTCTCTTCTTG
ATCTGTTTCTAGATATGGAAGCAGCCACAGGGCAGGAGTTCGAGCTATGTTTAGAGTGCATCGAATGGGC
CAAATCAGAGAAAAGAACTTTCTTACGCCAAGCATTGGAGGCAAGGCTGGTGTCTTTGTATTTTGATACC
AAGAGGTACCAGGAAGCATTGCATTTGGGTTCTCAGCTGCTTCGGGAGTTGAAAAAGATGGATGATAAAG
CCCTTTTGGTGGAAAGTACAGCTTTTAGAAAAGCAAACTTACCATGCTCTGAGTAATCTGCCGAAAGCCCG
AGCTGCCTAACCTCTGCTCGAACCACAGCAAATGCCATCTACTGCCCCCTAAATTGCAGGCCACCCTG
GACATGCAGTCAGGCATTATTCATGCAGCAGAGGAGAAGGACTGGAAAAGTGCATACTCATACTTCTATG
AGGCATTCGAAGGCTACGACTCCATTGATAGCCCCAAGGCCATCACATCTCTGAAGTACATGTTGCTGTG
CAAAATCATGCTCAACACCCAGAAAGATGTCCAGGCTTTGGTGAGCGGAAAGCTTGCACTTCGGTATGCA
GGGAGGCAGACAGAAGCATTGAAATGTGTGGCTAAGCTAGCAAGAACAGATCACTGGCAGATTTTGAAA
AGGCCCTGACAGACTACAGGGCAGAGCTCCGGGATGACCCAATCATCAGCACACATTTGGCCAAGCTGTA
CGATAACTTACTGGAACAGAATCTGATCCGGGTATCGAGCCTTTTTCCCGAGTCCAGATTGAACACATA
TCTAGCCTCATCAAATCTCCAAGGCCGACGTGGAAAAGAAAATTATCACAGATGATTCTTGACAAGAAGT
TTCATGGGATTTTGGACCAGGGGAGGGTGTCTGATCATTTTCGATGAACCCCAAGTAGATAAACTTA
TGAAGCTGCTCTGGAAACTATTCAGAACATGAGTAAAGTAGTGGACTCCCTCTACAGCAAAGCCAAGAAG
CTGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206719 representing BC090980
 Red=Cloning site Green=Tags(s)

MAAAVVEFQRAQSLSTDREASIDILHSIVKRDIQENDEEAVQVKEQSILELGSLLAKTGQAAELGLL
 KYVRPFLNSISKAKAARLVRSLDLFLDMEAATGQEVCLCEIEWAKSEKRTFLRQALEARLVSLYFDT
 KRYQEALHLGSQLLRELKMKDDKALLVEVQLLESKTYHALSNLPKARAALTSARTANAIYCPPKLQATL
 DMQSGIIHAAEEKDWKTAYSIFYEAFEGYDSIDSPKAITSLKYMILLCKIMLNTPEDVQALVSGKLALRYA
 GRQTEALKCVAQASKNRLADFEKALTDYRAELRDDPIISTHLAKLYDNLLEQNLIRVIEPFSRVQIEHI
 SSLIKLSKADVERKLSQMILDKKFHGLDQEGVLIIFDEPPVDKTYEAALETIQNMSKVVDSLISKAKK
 LT

TRTRPLE - GFP Tag - V

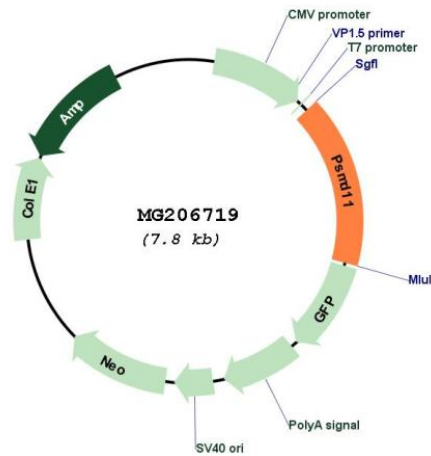
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC090980

ORF Size:	1268 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:	<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:	BC090980 , AAH90980
RefSeq Size:	1572 bp
RefSeq ORF:	1268 bp
Locus ID:	69077
Cytogenetics:	11 B5
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]