

Product datasheet for **MG207290**

Psmid12 (NM_025894) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmid12 (NM_025894) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Psmid12
Synonyms:	1500002F15Rik; AI480719; P55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207290 representing NM_025894
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGACGGTGGCTCGGAGCGGGCCGATGGCGCATTGTGAAGATGGAAGTGGACTACAGCGCCACGG
 TGGACCAGCGCCTGCCTGAGTGCAGAGAAGCTGGCCAAGGAAGGGCGGCTTCAAGAAGTCATCGAAAACCT
 TCTCTCTCTAGAAAAGCAGACCCGGACTGCCTCTGACATGGTGTCCACGTCGCCGATCTTGGTTGCAGTA
 GTGAAAATGTGCTATGAGGCTAAAGAATGGGACTTACTTAATGAAAATATTATGCTTCTGTCAAAACGAC
 GGAGTCAGTTAAAACAAGCAGTTGCAAAAATGGTTCAGCAGTGTACTTACGTGGAGGAGATCACAGA
 CCTGCCAGTCAAGCTGCGATTGATTGATACTCTGCGGATGGTTACAGAAGGAAAGATTTATGTTGAAATT
 GAGCGTCTCGGCTGACTAAAACCTTAGCAACTATTAAGAGCAAAAATGGCGATGTGAAAGAGGCTGCCT
 CCATCCTTCAAGAGTTACAGGTGAAAACCTATGGGTCCATGGAGAAGAAGGAGCGAGTGGAAATTCATTCT
 GGAGCAGATGAGACTCTGCCTAGCTGTGAAGGATTACATTCGCACACAGATCATTAGCAAAAAATTAAT
 ACCAAATTCCTTCCAAGAAGAAAACACAGAGAAGTTGAAGTTGAAGTACTATAACTTAATGATTCAGCTGG
 ATCAGCACGAGGGTCTCTATCTGTCCATCTGCAAACTACAGAGCCATCTATGACACTCCCTGCATTCA
 GGCAGAAAGTGACAAGTGGCAGCAGGCTCTGAAAAGTGTGTTCTCTATGTTATCCTGGCTCCTTTTGAC
 AATGAGCAATCAGATTTGGTTCACCGGATAAGCAGTGACAAGAAGCTGGAAGAAATCCCAAATACAAGG
 ATCTGTGAAGCTTTTTACCACCATGGAGCTGATGCGCTGGTCCACTCTTGTGAGGACTATGGGGTGA
 GCTGCGAAAAGGCTCCTCAGAGACCCCGCGACTGACGTTTTTCTGCTCTACAGAAGAAGGGGAAAAGAGG
 TGGAAAGACTTGAAGAGCAGAGTGGTGGAGCACAAATCAGAATTATGGCAAGTACTACACTCGGATAA
 CAATGAAAAGGATGGCACAACCTCTGGATCTCTGTGGATGAGTCAGAGGCTTTCTCTCGAATCTAGT
 CGTTAACCAAGACCATCTTTGCTAAAGTAGACAGTTGGCTGGAGTCATCAACTCCAGAGACCCAAGGAT
 CCAAATAATTTATTAATGACTGGTCTCAGAACTGAACTCGCTGATGTCTCTGGTTAACAAAACGACAC
 ACCTCATAGCCAAAGAGGAGATGATACATAATCTACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207290 representing NM_025894
 Red=Cloning site Green=Tags(s)

MADGGSERADGRIVKMEVDYSATVDQRLPECEKLAKEGRLQEVETLLSLEKQTRTASDMVSTSRILVAV
 VKMCYEAKEWDLNENIMLLSKRRSQLKQAVAKMVQCCTYVEEITDLPVKLRLIDTLRMVTEGKIYVEI
 ERARLTKTLATIKEQNGDVKEAASILQELQVETYGSMKKERVEFILEQMRLCLAVKDYIRTQII SKKIN
 TKFFQEENTENLKLKYNNLMIQLDQHEGSYLSICKHYRAIYDTPCIQAESDKWQQALKSVVLYVILAPFD
 NEQSDLVHRISDCKLEEIPKYKDLLKLFITMELMRWSTLVEDYGVELRKGSSSETPATDVFSSSTEEGEKR
 WKDLKSRVVEHNIRIMAKYYTRITMKRMAQLLDLSVDESEAFSLNLLVVKNTIFAKVDRLAGVINFRPKD
 PNNLLNDWSQKLNLSLMSLVNKTTHLIAKEEMIHNLQ

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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_025894.2
RefSeq Size:	1727 bp
RefSeq ORF:	1371 bp
Locus ID:	66997
UniProt ID:	Q9D8W5
Cytogenetics:	11 E1
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]