

Product datasheet for **RR213611**

Psmid12 (NM_001005875) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmid12 (NM_001005875) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmid12
Synonyms:	MGC94696
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213611 representing NM_001005875
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGACGGCGCTCGGAACGGGCCGATGGCGCATTGTGAAGATGGAGGTGGACTACAGCGCCACAG
 TGGACCAGCGCCTGCCTGAGTGCAGAGAAGCTGGCCAAGGAAGGACGGCTTCAGGAAGTCATCGAAACCCCT
 TCTCTCTCTAGAAAAGCAGACCCGGACTGCCTCTGACATGGTGTCCACGTCGCCGATCTTGGTTGCACTA
 GTGAAAATGTGCTATGAGGCCAAAGAGTGGGACTTACTTAATGAAAATATTATGCTTCTGTCAAAACGAA
 GGAGTCAGTTAAAACAAGCAGTTGCAAAAATGGTCCAGCAGTGTACTTATGTGGAGGAGATCACAGA
 CCTGCCAGTCAAGCTGCGGTTGATTGATACCCTGCGTATGGTTACAGAAGGAAAGATTTATGTTGAAATT
 GAGCGTGCCAGGCTGACTAAACCTTAGCAACTATAAAAGAGCAAAATGGCGACGTGAAGGAGGCCGCT
 CCATCCTGCAGGAGTTACAGGTGAAACCTATGGGTCTATGGAGAAGAAGGAGCGAGTGGAGTTTATTCT
 GGAGCAGATGAGGCTCTGCCTAGCCGTGAAGGATTACATTCGCACACAGATCATCAGCAAAAAATTAAC
 ACCAAATTCCTCCAGGAAGAAAACACAGAGAAATTAAGTTGAAGTACTATAACTTAATGATTCAGCTGG
 ATCAGCATGAGGGTCTCTATCTGTCCATCTGTAAGCACTACAGAGCCATCTACGACACTCCCTGCATTCA
 GGCAGAAAGTGACAAGTGGCAGCAGGCTCTGAAGAGTGTGTTCTCTATGTTATCCTGGCTCCTTTTGAC
 AATGAGCAGTCAGATTTGGTTCACCGGATAAGTAGTGACAAGAAGCTGGAAGAGATTCCTCAATAACAAGG
 ATCTGCTGAAGCTTTTTACCACAATGGAGCTGATGCGCTGGTCCACACTTGTGAGGACTATGGGGTGA
 GCTACGGAAGGGCTCCTCGGAGACCCAGCAACTGACGTCTTCACTTCTACAGAAGAAGGTGAAAAACGG
 TGGAAAGACTTGAAGAACAGAGTCGTGGAGCATAACATCAGAATTATGGCAAGTACTACACTCGGATAA
 CCATGAAAAGGATGGCACAACCTCTGGATCTCTCTGTAGATGAGTCAGAGGCCTTCTCTCGAATCTAGT
 CGTTAACAGACCATCTTTGCTAAAGTGGACAGGTTGGCTGGGGTCATCAACTCCAGAGACCCAAGGAT
 CCAATAACTTATTAATGACTGGTCTCAGAACTGAATTCAGTATGTCTCTGGTGAACAAAACGACAC
 ACCTCATAGCCAAAGAGGAGATGATACATAATCTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213611 representing NM_001005875
 Red=Cloning site Green=Tags(s)

MADGGSERADGRIVKMEVDYSATVDQRLPECEKLAKEGRLQEVIETLLSLEKQTRTASDMVSTSRILVAV
 VKMCYEAKEWDLLENIMLLSKRRSQLKQAVAKMVQCCTYVEEITDLPVKLRLIDTLRMVTEGKIYVEI
 ERARLTKTLATIKEQNGDVKEAASILQELQVETYGSMEKKERVEF ILEQMRLCLAVKDYIRTQIIISKKIN
 TKFFQEENTEKLLKYNNLMIQLDQHEGSYL SICKHYRAIYDTPCIQAESDKWQQALKSVVLYVILAPFD
 NEQSDLVHRISDDKLEEIPKYKDLLKLF TTMELMRWSTLVEDYGVELRKGSSPTADVFSSTEEGEKR
 WKDLKNRVVEHNIRIMAKYYTRITMKRMAQLLDL SVDESEAFLSNLVVKNTIFAKVDRLAGVINFRPKD
 PNNLLNDWSQKLSLMSLVNKTTHLIAKEEMIHNLQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

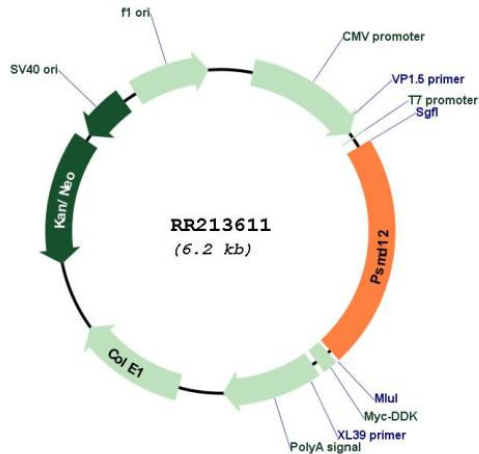
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001005875

ORF Size: 1368 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_001005875.1](#), [NP_001005875.1](#)

RefSeq Size: 1512 bp

RefSeq ORF: 1371 bp

Locus ID: 287772

Cytogenetics: 10q32.1

MW: 52.9 kDa