

Product datasheet for **RR203794**

Psmid8 (NM_001100831) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmid8 (NM_001100831) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psmid8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203794 representing NM_001100831
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCAATAAGGGCCGGACTGCGAAGGCGCCAGAGGAGCCGCGGCTCCTCCCGCTGGGCAGAG
AGCTAGCAGTCGTAGCTCCGCCCTCCGGCTTTGGGCTCCACCTCCCGCCTCACTTCCGCCGGAGAGCAT
TGCTCGGGCTCGTTGCCGTAATCAGGTCGGCTGTTTGTCTGCATCAGAAAGATGGCGCCGCGGGCT
ACGGTGAACGGGACAACCGCGTTTTCAAGCTCCGGGCCCGCGCCACCTCGGGCGGGATCCTACAGGCAG
CGGCCGGCATGTACGAGCAACTCAAAGACGAGTGAACCGGAAGAGCCGAATCTTAGTAAATGTGGAGA
AGAGCTGGGCCGCTGAAGTTGGTTCTGCTGGAGCTCAATTTCTGCCAACCACGGGGACAAAAGTACTG
AAACAGCAGCTCATTCTGGCCCGTGACATTCTGGAATCGGGGCCAGTGGAGCATCCTATGCAAGGACA
TTCCCTCCTTCGAGCGCTACATGGCCAGCTCAAATGCTACTACTTTGATTACAAGGAGCAGCTTCTGA
GTCAGCCTACATGCACCAGCTCCTGGGCCCAACCTCCTTCTGCTCTCAGAACCGAGTGGCTGAG
TTCCACACAGAATTAGAACGATTGCCTGCCAAGGACATCAAACCAATGTCTACATCAAACCCCTGTAT
CCCTCGAGCAATACCTCATGGAGGTAGCTACAACAAGGTGTTCTGGCTAAGGGAACATTCCCGCTGA
GAGCTATACCTTCTTATTGACATCCTGCTGGATACTATCAGGGATGAAATTGCAGGATGCATTGAGAAG
GCCTATGAGAAAACTCTTTTGTGAGGCTACCCGGATCCTTCTTTCAGCACACCCAAAAAGATGACAG
ACTATGCCAAGAAGCGAGGTTGGCTGCTGGGCCCTAACTACTACAGCTTTGCCAGCCAGCAGCAGAA
GCCAGAAGACAGCACCATCCCCTCCACTGAGCTGGCCAGGCAGGTATCGAGTATGCCCGGCAGCTGGAG
ATGATTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203794 representing NM_001100831
 Red=Cloning site Green=Tags(s)

MFIKGRTAKAPRGEPRSSRRGQKLAVVAPPPALGSTRPHFRRESIARRRCRKSGLFAASRKMAAAAA
 TVNGTTGVSSSGPAATSGGILQAAAGMYEQLKDEWNRKSPNLKSCGEELGRLKLVLELNLFLPTTGKLT
 KQQLILARDILEIGAQWSILCKDIPSFERYMAQLKCYFDYKEQLPESAYMHQLLGLNLLFLLSQNRVAE
 FHTELERLPAKDIQTNVYIKHPVSLQYLMEGSYNKVFLAKGNIPAESYFFFIDILLDTIRDEIAGCIEK
 AYEKILFAEATRILFFSTPKKMTDYAKKRGWLLGPNNYSFASQQQKPEDSTIPSTELARQVIEYARQLE
 MIV

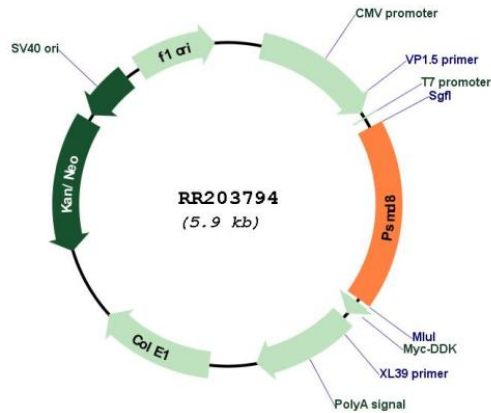
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100831

ORF Size:	1059 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:	NM_001100831.1 , NP_001094301.1
RefSeq Size:	1537 bp
RefSeq ORF:	1062 bp
Locus ID:	292766
Cytogenetics:	1q21
MW:	39.9 kDa