

Product datasheet for **RR206297**

Psmid14 (NM_001025689) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psmid14 (NM_001025689) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psmid14
Synonyms: MGC114474
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206297 representing NM_001025689
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACAGACTTCTTAGACTTGGAGGAGGTATGCCTGGACTGGGCCAGGGTCCACCTACAGATGCCCTG
CCGTAGACACAGCAGAACAAGTTTACATCTCCTCCTTGGCGTTGCTAAAGATGTTAAAACATGGCCGTGC
TGGGGTTCCTATGGAAGTTATGGGTCTAATGCTTGGCGAATTTGTTGATGATTACACCGTCAGAGTGATT
GATGTGTTTGCTATGCCACAATCAGGAAGTGGTGTGAGTGTAGAAGCAGTTGATCCAGTGTTCGAAGCCA
AAATGTTGGATATGCTGAAACAAACAGGAAGGCCCGAGATGGTTGTTGGTTGGTATCACAGTCACCTGG
CTTTGGCTGTTGGCTTTCTGGTGTGGACATCAACACTCAGCAGAGCTTTGAAGCCTTGTCGGAGAGAGCT
GTGGCAGTGGTTGTGGATCCCATCAGAGTGTGAAAGGAAAGGTTGTTATTGATGCCTTCAGACTGATCA
ATGCTAATATGATGGTCTTAGGACATGAACCGAGACAAACGACTTCCAATCTGGGCCACTTAAACAAGCC
ATCTATCCAGGCATTAATTCACGGATTAACAGACATTACTACTCCATCACTATTAATTATCGGAAAAAT
GAACTGGAACAGAAGATGCTGTTAAATTTGCATAAGAAGAGTTGGATGGAAGATTGACACTTCAGGACT
ACAGTGAACATTGTAACACAATGAATCGGTGGTAAAAGAGATGTTGGAATTAGCCAAGAATTATAATAA
GGCTGTAGAAGAGGAAGATAAGATGACGCCTGAACAGCTGGCAATAAAGAATGTGGCAAGCAGGATCCC
AAACGTCATTTGGAAGAGCATGTGGATGTGCTTATGACTTCAAATATTGTCCAGTGTGGCAGCAATGT
TGGATACCGTTGTATTTAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206297 representing NM_001025689
 Red=Cloning site Green=Tags(s)

MDRLRLGGMPGLGQGPPTDPAVDTAEQVYISSLALLKMLKHGRAGVPMVGLMLGEFVDDYTVRVI
 DVFAMPQSGTGVSVAVDPVFQAKMLDMLKQTRPEMVGWYHSHPGFGCWLSGVDINTQQSFEALSER
 VAVVVDPIQSVKGVVIDAFRLINANMMVLGHEPRQTTNLGHLNKPISIQALIHGLNRHYYSITINYRKN
 ELEQKMLLNHLHKKSWMEGLTLQDYSEHCKHNESVVKEMLELAKNYNKAVEEEDKMTPEQLAIKNVGKQDP
 KRHLEEHVDVLMTSNIVQCLAAMLDTVVFK

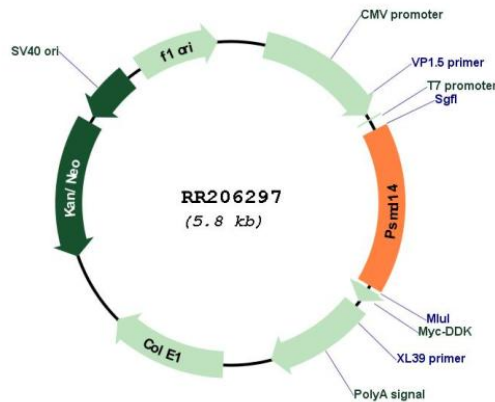
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025689

ORF Size: 930 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_001025689.1 , NP_001020860.1
RefSeq Size:	1535 bp
RefSeq ORF:	933 bp
Locus ID:	311078
Cytogenetics:	3q21
MW:	34.6 kDa