

Product datasheet for RR213132

Psm11 (NM_001107027) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psm11 (NM_001107027) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psm11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213132 representing NM_001107027 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGAATGGTTATTTGTGTTCTTTCTCACTGATGGACGCGAGATGGCGATCGGGAGCTCGTATGCGG
CTTTCGGGACGCTCCTGGTCCACCCGCTCCGGAGAGAACTACAACCTCCGGAGTGCTCGGAGAAGGGG
GCGGGTCTTTCGGTAGGAACGCGAGGGCTGGTCTTCCGGGTGTGTGTTCCGGCGTCGGCGCCGCGG
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TCAGCACTGACCGGGAGGCTCCATCGACATCCTCCACTCCATCGTGAAGCGTGACATTCAGAAAATGA
TGAGGAGGCAGTCCAGGTCAAAGAGCAGAGCATCCTTGAAGTGGGGTCTCTCCTGGCAAGACTGGACAA
GCTGCTGAGCTTGGAGGACTCCTGAAGTATGTACGACCTTTCTTGAATCCATCAGTAAAGCTAAAGCAG
CTCGTCTGGTCCGGTCTTCTTGATCTGTTTCTAGATATGGAAGCAGCTACAGGGCAGGAGGTCGAGCT
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TCTGAGTAATCTGCCAAAGCCGAGCTGCCTAACCTCTGCTCGAACCACAGCAAATGCTATCTACTGC
CCCCCTAAATTGCAGGCCACTCTGGACATGCAGTCAGGTATTATTCATGCAGCAGAGGAGAGGACTGGA
AACTGCATACTCGTACTTCTATGAGGCATTGCAAGGCTATGACTCCATCGATAGCCCCAAGGCCATCAC
ATCTCTGAAGTACATGTTGCTGTGCAAAATCATGCTCAACACCCCAAGATGTCCAGGCTTTGGTGGAGC
GGAAAGCTTGCACTTCGGTATGCAGGGAGGCAGACAGAAGCATTGAAATGTGTGGCTCAAGCTAGCAAGA
ACAGATCACTGGCAGATTTTGAAGGCCCTGACAGACTACAGGGCGGAGCTCCGGGACGACCCAATCAT
CAGCACATTTGGCCAAGTGTACGATAACTTACTGGAACAGAATCTGATCCGGGTATTGAACCTTTC
TCCCGATACAGGTGAGAATCTCCCTGGAACTTTGTCAACAGTTTGGGCTACATGTTGTGCTGTTGTC
CAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213132 representing NM_001107027
 Red=Cloning site Green=Tags(s)

MMEWLVFVFFLTDGREMAIGSSYAAGFTLLVHPLRRETTTPGVLGEGRRGLRVGTRGLVFRVCVSGVGGRG
 RGRCESGKMAAAVVEFQRAQSLLSTDREASIDILHSIVKRDIQENDEEAVQVKEQSILELGSLLAKTGQ
 AAELGGLLKYYRPFNSISKAKAARLVRSLLDLFLDMEAAATGQEVCLCEIEWAKSEKRTFLRQALEAR
 LVSLYFDTKRYQEALHLSQLLRELKMKDDKALLVEVQLLLESKTYHALSNLPKARAALTSARTTANAIYC
 PPKLQATLDMQSGIIHAAEEKDWKTAYSFYEAFEGYDSIDSPKAITSLKYMLLCKIMLNTPEDVQALVS
 GKALALRYAGRQTEALKCVAQASKNRSLADF EKALTDYRAELRDDPIISTHLAKLYDNLLEQNLIRVIEFP
 SRVQVRISLGLSTVLGYMLCCCPK

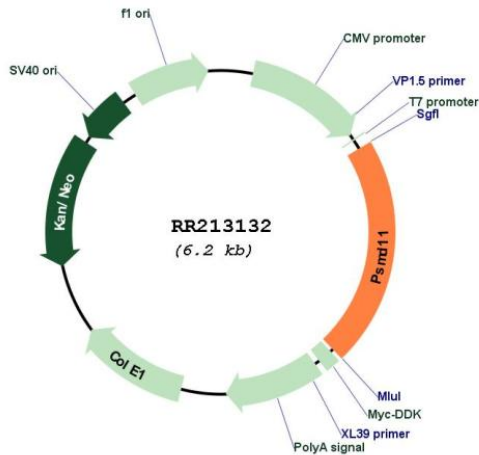
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001107027
ORF Size:	1335 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_001107027.1 , NP_001100497.1
RefSeq Size:	3344 bp
RefSeq ORF:	1338 bp
Locus ID:	303353
Cytogenetics:	10q26
MW:	49.6 kDa