

Product datasheet for **RR215250**

Psmc3 (NM_031595) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psmc3 (NM_031595) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmc3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215250 representing NM_031595 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGAAATGAATCTGCTGCCGACGCCCGAGAGTCCAGTGACTCGGCAGGAGAAGATGGCGACCGTGT
GGGATGAAGCTGAGCAAGATGGCATTGGGGAGGAGGTGCTCAAGATGTCCACAGAAGAGATCGTCCAGCG
CACACGGCTGTAGACAGCGAGATCAAGATCATGAAGAGTGAAGTGTGCGAGTCAACCAGAACTCCAA
GCCATGAAAGACAAAATCAAAGAGAACAGTGAGAAAATCAAAGTGAACAACACCCTCCCATACCTAGTCT
CCAACGTTATTGAGTTGCTGGATGTTGACCCCAATGACCAGGAGGAGGATGGTGCCAATATTGACCTGGA
CTCGCAGAGGAAGGGCAAGTGTGCACTGATCAAACTTCTACCCGACAAACGTAATCTCTGCCAGTGATT
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CACAAAGAGAAGTTTGAACTTGGGTATCCAGCCCCAAAAGGAGTGTGATGTATGGGCCCTGGTA
CAGGGAAGACTCTCCTCGCCGAGCCTGTGCTGCTCAGACCAAGGCCACCTTCTTGAAGCTGGCAGGCC
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AAGGCACCATCTATTATCTTTATAGATGAGTTGGATGCCATTGGCACCAAGCGCTTCGACAGTGAAGG
CAGGGGACCGAGAGGTGCAGAGGACCATGCTAGAGCTCCTGAACCAGATGGATGGCTTCCAGCCCAACAC
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GGAAGTGAACGTCAGTCTGTGTAAGTATGAAGAGCTGGCTCGTGCCTGATGACTTCAATGGGGC
CCAGTGAAGGCCGTGTGTGGAGGCGGGTATGATCGCACTGCGCAGGGGTGCCACGGAGCTCACTCAC
GAGGACTACATGGAGGGCATCTGGAGGTGCAGGCCAAGAAGAAAGCCAACTTCAGTACTATGCC

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ACAAGGATGACGACGATAAGGTTTAA



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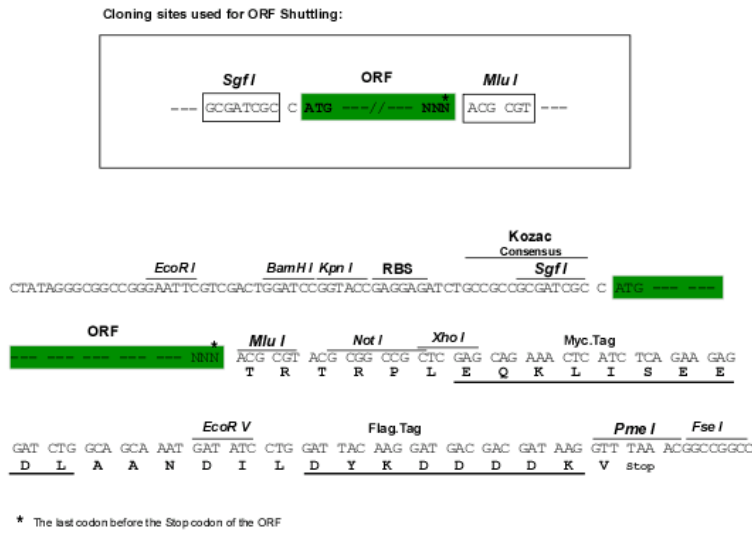
Protein Sequence: >RR215250 representing NM_031595
Red=Cloning site Green=Tags(s)

MQEMNLLPTPESPVTRQEKMATVWDEAEQDGIGEEVLK MSTEEIVQTRLLDSEIKIMKSEVLRVTHELQ
 AMKDKIKENSEKIKVNNLTPYLVSNIELLDVDPNDQEEDGANIDLDSQRKGC AVIKTSTRQTYFLPVI
 GLVDAEKLKPGDLVGVNKDSYLILETLPT EYDSRVKAMEVDERPTEQYSDIGGLDKQIQELVEAIVLPMN
 HKEKFENLGIQPPKGVLMYGGPGTGKTLARACAAQT KATFLKLAGPQLVQMFIGDGAKLVRDAFALAKE
 KAPSIIFIDELDAIGTKRFDSEKAGDREVQRTMLELLNQMDGFQPN TQVKVIAATNRVDILDPALLRSGR
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 EDYMEGILEVQAKKANLQYYA

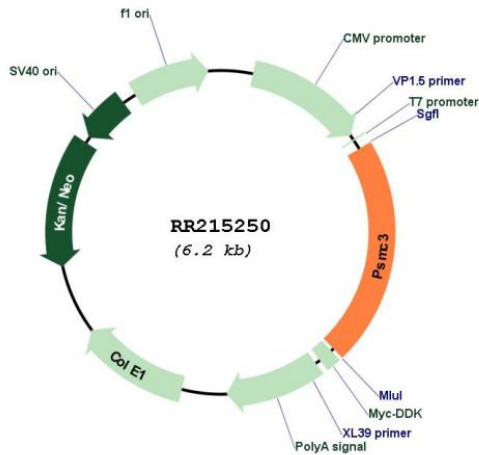
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_031595
ORF Size:	1326 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_031595.1 , NP_113783.1
RefSeq Size:	1627 bp
RefSeq ORF:	1329 bp
Locus ID:	29677
UniProt ID:	Q63569
Cytogenetics:	3q24
MW:	49.6 kDa
Gene Summary:	may be involved in ATP-dependent RNA/DNA unwinding [RGD, Feb 2006]