

## Product datasheet for RR211922

### Psmc4 (NM\_057122) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Psmc4 (NM_057122) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psmc4
Synonyms:	Tbp7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211922 representing NM_057122 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGATAGGCATTTTGGTGGAGAAAATTCAGGATGAGATCCCAGCACTGTCCGTGTCTCGGCCGC  
AGACCGGCTGCTCTTTCTGGACCCGAACCTGAGGACCTGGAGGACCTATACAGCCGCTACAAGAAGCT  
ACAGCAAGAGCTGGAGTTCCTGGAGGTGCAGGAGGAGTATATCAAGGATGAGCAGAAGAACCTGAAGAAG  
GAGTTCCTCCATGCGCAGGAGGAGTAAAGCGAATCCAGAGCATTCCGTTGGTCATTGGTCAGTTTTTGG  
AAGCTGTGGATCAGAACACAGCCATTGTGGGCTCTACCACAGGCTCTAACTACTATGTGGCCATCCTGAG  
TACCATTGATCGGGAGCTGCTCAAACCAATGCCTCAGTGGCCCTGCACAAGCACAGCAACGCACTGGTG  
GATGTGCTGCCTCCCGAGGCCGACAGCAGCATCATGATGCTCACCTCAGACCAGAAGCCCGACGTGATGT  
ACGCCGATATTGGAGGCATGGACATCCAGAAGCAGGAGGTGCGGGAGGCTGTGGAACCTACCACTGACGCA  
CTTCGAGCTCTACAAGCAGATTGGCATCGATCCTCCCGAGGTGCCTCATGTATGGCCACCTGGCTGT  
GGAAAGACCATGTTAGCGAAGGCTGTGGCACATCACACGACAGCTGCATTTATCCGTGTGGTGGGCTCAG  
AGTTTGTTCAGAAGTACCTGGGTGAGGGCCCCGAATGGTCCGGGATGTGTTCCGCTGGCCAAGGAGAA  
TGCACCTGCCATCATCTTCATAGATGAAATTGATGCCATTGCCACCAAGAGATTCCGATGCCAGACAGGA  
GCTGACAGGGAGTTTCAGAGGATCCTGCTGGAGCTACTGAATCAAATGGATGGATTTGACAAAAACGTCA  
ATGTGAAGGTAATCATGGCCACAAAACAGAGCAGACACCTTGGATCCAGCTCTACTTCGGCCAGGACGCCCT  
GGACCGCAAAATTGAATCCCACTCCCTGATCGTCGCCAGAAGAGGTTGATTTTCTCCACCATCACCAGC  
AAGATGAACCTTTCTGAGGAGTTCGACCTAGAAGACTATGTGGCCCGCCAGATAAGATTTCCAGGAGCCG  
ATATCAACTCCATCTGTCAGGAGAGTGAATGTTGGCTGTCCGTGAGAACCCTACATTGCTCGGCCAA  
GGACTTCGAGAAAGCATAACAAGACCGTGATCAAGAAAGATGAGCAGGAACATGAGTTTTACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR211922 representing NM\_057122  
Red=Cloning site Green=Tags(s)

MEEIGILVEKIQDEIPALSVSRPQTGLSFLGPEPEDELDYSRYKKLQQELEFLEVQEEYIKDEQKLNKK  
 EFLHAQEEVKRIQSIPLVIGQFLEAVDQNTAIVGSTTGSNYVVRILSTIDRELLKPNASVALHKHSNALV  
 DVLPEADSSIMMLTSDQKPDVMYADIGGMDIQKQEVREAVELPLTHFELYKQIGIDPPRGVLMYGPFGC  
 GKTM LAKAVAHHTTAAFIRVVGSEFVQKYLGEPRMVRDVFR LAKENAPAIIFIDEIDAIATKRFDAQTG  
 ADREVQRILLELLNQMDGFDQNVNVKVI MATNRADTLDPALLRPGR LDRKIEFPLPDRRQKRLIFSTITS  
 KMNLSEEVLEDYVARPDKISGADINSICQESGMLAVRENRYIVLAKDFEKAYKTVIKKDEQEHEFYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

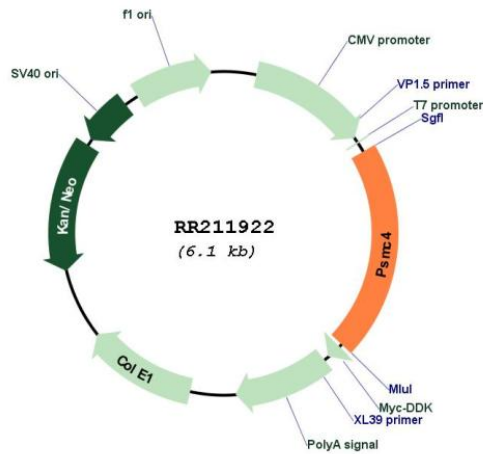
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_057122

<b>ORF Size:</b>	1254 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_057122.1</a> , <a href="#">NP_476463.1</a>
<b>RefSeq Size:</b>	1376 bp
<b>RefSeq ORF:</b>	1257 bp
<b>Locus ID:</b>	117262
<b>UniProt ID:</b>	<a href="#">Q63570</a>
<b>Cytogenetics:</b>	1q21
<b>MW:</b>	47.4 kDa
<b>Gene Summary:</b>	may play a role in ATP-dependent RNA/DNA unwinding [RGD, Feb 2006]