

## Product datasheet for RR217697

### Psme4 (NM\_001025140) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Psme4 (NM\_001025140) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Psme4  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR217697 representing NM\_001025140  
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCCCGATCGCC

ATGGAGGCTCCGGAGCGGGCGGGTGGCGGGAGCCCCCGAGCCTGGCGGGCGGCCGGTACTGGGCCCGC  
 GGGCCTTCGTCCCGCAGAAAGAGATCGTGTACAACAAGCTTCTGCCCTACGCCGAGCGGCTGGACGCCGA  
 GTCGACTTGCAGCTGGCGCAGATCAAGAGCAACCTGGCGCGGAGTGCAGCTCCAGGAGCTGTGGCCG  
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AGCACATTGGAGCAAACAAGGGAAGAGACAGAAACAGAGAAAATGACTCATTGGAGAGTTGGTTGAAT  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217697 representing NM\_001025140  
Red=Cloning site Green=Tags(s)

MEAPERAGGGEPPEPGRPVLPRAFVPQKEIVYNKLLPYAERLDAESDLQLAQIKSNLGRAVQLQELWP  
GGLFWTRKLSYIRLYGRKFSKEDHVLFIKLLYELVSIPKLEISMMQGFARLLINLLKKKELLSRDDLEL  
PWRPLYDMVERILYSKTEHLRLNSFPNSIENVLKTLLVKSCRPFYPADATAEMLEEWRLMCPFDVTMOKA  
VSYFEIFLPTSLPPELHHKGFKLWFDELIGLWVSVQNLQWEGQLVNLFARLATDNIIGYIDWDPYVKIF  
TRILRSLNLPVGSQVLPVPRFLTNAVDIGHAVIWIITAMMGPSKLVQKHLAGLFNSITSFYHPSNNGRWL  
NKLMLLLQRLPNSVVRRLHRRERFKKPSWLTVPVESHKL TDEDVTFVQCI IQPVLLAMFSKTSLEAAQA  
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STLEQTREETETEKMTHLESLVELGLSSTFSTILTQCSKIDFMVALQKVFNFVSHIFETRVAGRMVADM  
CRAAVKCCPEESLKL FVPHCYGVITQL TMDDVLENEELDKELLWNLQLLSEITRVDGKLLLYREQLVK  
ILQRTLHLTCKQGYTLSCNLLHLLLRSTTLIYPTHEYCSVPGGFNKPPSEYFPIKDWGKPGDLWNLGIQWH  
VPSSEEVSAFYLLQSFLQPEL IKLQRCGDGELEMSRDDILQSLTIVHNCLIGSGNLLPPLKGPVNTLV  
PSMVSLEETKLYTGLEHDL SKENHREVIASVIRKLLSHILDNSEDDTKSLFLI IKIIGDLLQFQGSKHKE  
FDSRWKSFNLVKKSMENRLHGKKQHIRALLIDRVMLQHELRTLTVEGCEYKKIHQDMIRDLLRLSTSSYS  
QVRNKAQQTFFAALGAYNFCRDI IPLVLEFLRPDRKDVTTQQQFKGALYCLLGNHSGVCLANLHDWDCIV  
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ENLNHDAIVVRKMAISAVAGILKQLKRTHKKTINPYEISGCPKATVLADGRPDNHWLHYDSKNIPRTK  
KEWESSCFVEKTHWGYNWPKNMVMVYAGVEEQPKLGRSREDMTEAEQIIYDRFSDPKFVEQLITFLSLED  
RKGRDKFSRRFCLFKGIFRNFDDAFLPVLKPHLERLVADSHESTQRCVAEIIAGLIRGSKHWTFEKVEK  
LWELLCPLLRRTALSNMTVETYNDWGTCTIATSCESRDPRKLHWFELLESPLSGEGGSFVDACRLYVLQG  
GLAQQEWVPELLHRLLYLEPKLTQVYKNVRERIGSVLTYIFMIDVSLPNTAPTTPCIPFEFTARVLEK  
LKPLTDVDEEIQNHVMEENGIGEEEDERTQGIKLLKTKILKWL MASAGRSFSTAVKEQLQLLPLFFKIAPVE  
NDNSYDELKRDAKLCLSMSQGLLYPQQVPLILQVLSQTARSSSWHARYTVLTYLQTMVFYNLFIFLNNE  
DAVKDIRWLIIRLLEDEQLEVREMAATLSGLLQCNFLTMSAMQSHFEQLCKTKLPKRRKRDPSVGD  
IPSAELVKRHAGVGLGACVLSPPYDVPTWMPQLLMNLSAHLNDPQPIEMTVKKTLSNFRRTHHDNWQEH  
KQFTDDQLLVLTDLLVSPCYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

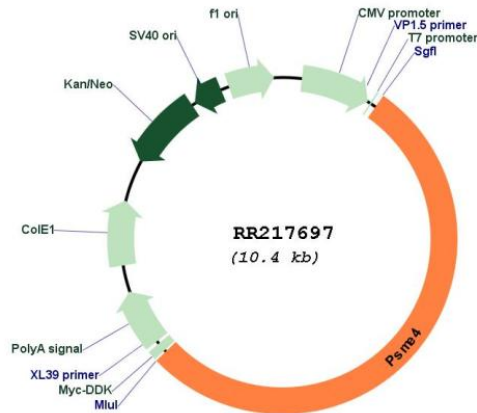
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM\_001025140

<b>ORF Size:</b>	5529 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_001025140.2</a> , <a href="#">NP_001020311.2</a>
<b>RefSeq Size:</b>	7327 bp
<b>RefSeq ORF:</b>	5532 bp
<b>Locus ID:</b>	498433
<b>Cytogenetics:</b>	14q22
<b>MW:</b>	211.2 kDa