

Product datasheet for **RR212642**

Psm4 (NM_031331) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psm4 (NM_031331) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psm4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212642 representing NM_031331
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTGGAGAGCACTATGGTTGTGTGGACAACAGTGAAGTACATGCGGAATGGAGACTTCTTCCCA
CCCGCTGCAGGCCAGCAGGATGCTGTCAACATTGTATGTCACTCAAAGACCCGAAGCAACCCTGAGAA
TAACGTGGCTTGATCAGCTGGCCAATGACTGTGAGGTGCTGACCACACTCACCCCTGACACTGGCCGA
ATCCTCTCCAAGCTCCACTGTCCAGCCCAAAGGCAAGATCACCTTCTGCACTGGCATCCGCGTGGCCC
ATCTGGCTCTGAAGCACCGGCAGGGCAAGAATCAAGATGCGCATCATCGCCTTCGTGGGTAGCCCTGT
GGAGGACAACGAGAAGGATCTGGTGAACTAGCTAAACGCCTTAAGAAAGAAAAAGTGAATGTTGACATC
ATCAATTTGGGGAAGAGGAGGTGAACACAGAGAAGCTGACAGCCTTTGTGAACACATTAACCGCAAGG
ACGGAAGTGGATCACATCTAGTGACAGTGCCTCCTGGGCCAGCCTGGCCGATGCTCTCATCAGTTCTCC
TATTCTAGCTGGGGAAGGCGGCCATGCTGGTCTTGGTGCCAGTGACTTTGAGTTGGAGTAGATCCC
AGTGCTGATCCTGAATTGGCCCTGGCCCTTCGTGTCTCTATGGAAGAGCAGCGGCAGCGGAGGAGG
AGGCACGACGGGCTGCTGCAGCCTTCGAGCTGAGGCTGGAATTGCCACACTGGGACTGAAGGTGAACG
AGACTCAGATGATGCCCTACTGAAGATGACCATCAGCCAGCAGGAGTTTGCCCGTGGCGGCTTCCCTGAC
CTAAGCAGCATGACAGAGGAAGAGCAGATTGCCTATGCCATGACAGATGTCCTGCAGGGAGCAGAGTTTG
GCCAAGCAGAATCAGGGGACATCGATGCCAGCTCAGCCATGGACACATCTGAGCCAGTCAAGGAGGAGGA
TGACTATGACGTGATGCAGGACCCAGAGTTCTTCAGAGCGTCTAGAGAACCTTCCCGGTGGATCCC
AACAAATGAAGCCATTGAAAATGCAATGGGCTCTCTGGCCCTCCAGGCCACCAAGGATGGCAAGAAGGACA
AGAAAGAGGAAGAGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212642 representing NM_031331
 Red=Cloning site Green=Tags(s)

MVLESTMVCVDNSEYMRNGDFLPTRLQAQQDAVNI VCHSKTRSNPENNVGLITLANDCEVLTTLTPDTGR
 ILSKLTHTVQPKGITFCTGIRVAHLALKHRQGNHMKMRIAFVGSPPVEDNEKDLVKLAKRLKKEKVNVDI
 INFGEEEVNTKLTAFVNTLNGKDGTGSHLVTVPPGPSLADALISSPILAGEGGAMLGLGASDFEFGVDP
 SADPELALALRVSMEEQRQRQEEEARAAAAAEEAGIATPGTEGERDSDALLKMTISQQEFGRAGLPD
 LSSMTEEEQIAYAMQMSLQGAEEFGQAESGDI DASSAMDTSEPVKEEDDYDVMQDPEFLQSVLENLPGVDP
 NNEAIRNAMGSLASQATKDGKKDKKEEEKK

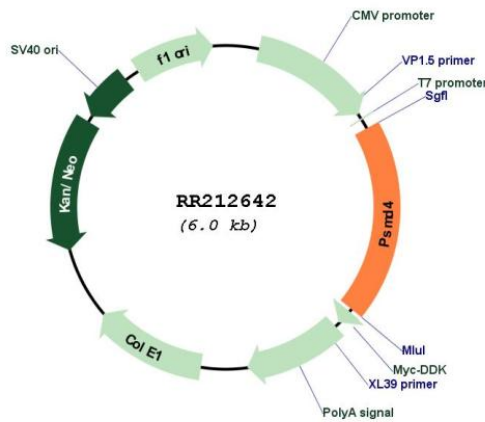
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031331

ORF Size:	1140 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_031331.1 , NP_112621.1
RefSeq Size:	1334 bp
RefSeq ORF:	1143 bp
Locus ID:	83499
Cytogenetics:	2q34
MW:	41.1 kDa
Gene Summary:	inhibits cholera-induced intestinal fluid secretion [RGD, Feb 2006]