

Product datasheet for **RN212163**

Psm1 (NM_031978) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psm1 (NM_031978) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Psm1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212163 representing NM_031978
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCACTTCAGCCGCTGGAATTATTTCTCTTCTGGATGAAGAAGGCCACAGCTCAAGGAATTTGCAC
 TACACAAATTGAATGCAGTTGTGAATGACTTCTGGGCAGAAATTTCTGAGTCTGTAGACAAAATAGAAGT
 TTTATATGAAGATGAAGGTTTCCGCAGTCGGCAGTTTGCAGCCTTGGTGGCATCGAAAGTATTTTATCAC
 CTGGGGGCTTTTCGAGGAGTCTCTGAATTATGCTCTTGGAGCAGGTGACCTCTTCAATGTCAATGATAACT
 CTGAATATGTGGAGACTATTATAGCAAAATGCATTGATCATTATACCAAACAGTGTGGAAAAATGCAGA
 TTTGCCTGAAGGAGAAAAGAAGCCAATTGACCAGAGATTGGAAGGCATCGTGAATAAGATGTTCCAGCGA
 TGTCTCGATGATCACAAGTATAAGCAAGCGATTGGCATTGCTCTGGAGACCAGGAGACTAGATGTGTTT
 AGAAGACTATACTGGAATCTAATGATGTCCAGGAATGCTAGCTTACAGCCTCAAGCTCTGCATGTCTTT
 AATGCAGAATAAGCAGTTTCGGAATAAAGTATTGCGAGTCTGGTTAAAACTACATGAACCTGGAAAA
 CCTGATTTTCATCAATGTTTGTGAGTCTTAATCTTCTTAGATGACACCCAGGCCGTGAGTGATATCTTAG
 AAAAGCTGGTAAAGGAAGACAACCTGCTGATGGCCTATCAGATTTGCTTTGATTTGTACGAAAGTCCAG
 CCAGCAGTTTTTGTATCTGTGATCCAGAATCTTCAACTGTTGGGACCCCTATTGCTTCTGTGCCTGGA
 TCTACCAATACGGGTACTGTGCCAGGACCAGAGAAAGACAGTACTGATGGAGACCAGGAGAAGACAG
 CCGGTGCAGTGGCAGGAAAACACCAGACGCTAGTCCAGAGCCCAAGGACCAGACATTGAAAATGATTAA
 AATTTTAAAGTGGTGAATGGCTATCGAGTTACACCTGCAGTTCCTAATACGCAATAATAACACAGACCTC
 ATGATTTGAAAAACACAAGGATGCAGTACGAAATCTGTATGTCATACAGCAACTGTAATAGCAAAT
 CATTATGCAGTGTGGGACTACCAGTACCAGTTCCTTAGAGATAACTTGAATGGTGGCCAGACCCAC
 TAACTGGGCCAAAATTTACTGCAACTGCCAGCTTGGGTGTAATCCATAAAGGCCATGAGAAGGAAGCACTA
 CAGTTAATGGCAACATACCTCCCTAAGGACACTTCTCCAGGATCAGCCTATCAGGAAGGTGGAGGTCTCT
 ATGCATTTGGTCTCATTGATGCCAATCATGGTGGTGACATAATTGACTATCTCCTAATCAGCTCAAGAA
 TGCCAGCAATGATATCGTTAGACATGGAGGAGCCTTGGCCTTGGTTGGCTGCAATGGGAACTGCACGT
 CAGGATGTATATGATTTGCTGAAAACAAACCTGTATCAGGATGATGCTGTGACAGGGGAGGCAGCTGGCC
 TGGCCTTAGGTTTGGTTATGTTAGGCTCTAAAAACACCCAGGCGATTGAGGATATGGTTGGCTATGCACA
 AGAAACTCAACACGAGAAGATTCTGCGTGGTCTAGCAGTTGGCATTGCGTTAGTGTATGTTGGGAGGATG
 GAGGAGGCCGATGCTCTCATTGAATCTCTCTGTCTGTGATAAGGACCCAATCTTAGAAGATCTGGAATGT
 ATACTGTAGCCATGGCTTATTGTGGCTCTGGTAAACAATAAAGCTATTTCAGCCTGCTGCATGTTGCTGT
 AAGTGATGTCAACGATGATGTCAGAAGAGCAGCAGTAGAGTCTCTTGGCTTCATTTTGTTCAGGACGCC
 GAACAGTGTCCAAGTGTGGTCTCTTTGTTGTCCGAGAGTTATAACCCTCATGTGCGCTACGGCGCTGCAA
 TGGCCCTGGGAGTCTGCTGTGCTGGTACAGGAAACAAGGAAGCAATTAATTTACTGGAGCCAATGACCAA
 TGACCTGTGAACTACGTGCGGCAAGGGGCTCTGATAGCCTCAGCTCTCATGATCCAACAGACCGAA
 ATCACGTGTCAAAGGTAACCAGTTCGGCAGCTGTATCCAAAGTCATCAATGACAAGCATGATGATG
 TCATGGCCAAATTTGGCCTATTCTGGCCCAAGGCATACTGGATGCAGGTGGTCAATATGCACAATCTC
 CTTACAGTCCAGGACTGGGCACACTCATATGCCCTTCTGTGGTTGGCGTCTTGTCTTTACCCAGTCTGG
 TTCTGGTTTCCCCTTTCACACTTCTATCATTGGCTTATACTCCTACCTGTATCATCGGCCCTTAAACAAGG
 ATTTAAAGATGCCGAAAGTTCAATATAAATCAAATTTGAAACCATCCACATTCGCATACCCCTGCCCTCT
 GGAAGTTCAAAAGAAAAAGAAAAAGAAAAAGTTTCCACCCTGTGTTGTCTATTACTGCCAAAGCTAAA
 AAAAAAGAAAAAGAAAAAGAAAAAGGAGGAGGAGAAGATGGAAGTGGACGAAGCAGAAAAAGGAAG
 AGAAAGAGAAGAAAAAGAACCGGAACCAACTCCAGCTGTTGGATAATCCAGCACGGGTGATGCCTGC
 CCAGCTGAAGGTCTTAAGTATGACAGAGACCTGCAGATACCAACCCTTCAAGCCACTCTCCATCGGGGGC
 ATCATAATTCTGAAAGACACCAGCGAAGACATTGAGGAACCTGTGGAACCCGTGGCAGCACATGGCCAA
 AGATTGAAGAGGAGGAGCAGGAGCCAGACCCCCAGAGCCATTTGAGTACATCGATGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_031978
Insert Size:	2862 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_031978.1</u> , <u>NP_114184.1</u>
RefSeq Size:	3089 bp
RefSeq ORF:	2862 bp
Locus ID:	83806
UniProt ID:	<u>O88761</u>
Cytogenetics:	9q35
Gene Summary:	is upregulated by glutamate excitotoxicity and may be involved in neurodegenerative processes [RGD, Feb 2006]