

Product datasheet for **RN202803**

Pam (NM_013000) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pam (NM_013000) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pam
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN202803 representing NM_013000
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGGACGCGCCCGCAGCGTCTGCTACTGCTGCTGCTGGGGCTGCTCGCCCTGCAGAGCAGCTGCC
 TGGCCTTCAGAAGCCCACTTTCTGTCTTTAAGAGGTTTAAAGAACTACCAGATCAATTTCCAATGAATG
 CCTTGGTACCATTGGACCAGTCAACCCTCTTGATGCATCAGATTTTGGCGTGATATTCCGATGCCTGGG
 GTTACACCTAAAGAGTCTGACACATACTTCTGCATGTCCATGCGTCTGCCTGTGGATGAGGAAGCCTTCG
 TGATTGACTTCAAGCCTCGTGCCAGCATGGATACTGTCCACCATATGCTGCTGTTTGGATGCAATATGCC
 CTCGTCCACTGGAAGTTACTGGTTTTGTGATGAAGAACCTGTACAGATAAAGCCAATATTTCTATATGCC
 TGGGAAGGAATGCTCCCCACCCGGCTCCCGAAAGGTGTTGGATTGAGAGTTGGAGGAGAACTGGAA
 GCAAACTCTCGTCTTCAAGTTCACTATGGCGATATCAGTGCTTTTCGAGATAATCACAAAGACTGCTC
 TGGCGTGTCCGTACATCTCACACGTGTGCCCGAGCCTTTAATTGGGGCATGTACCTTATGATGTCTGTT
 GACACTGTCATACCACAGGAGAGAAAGTGTGAATGCTGACATTTCTGTGCAATACAAAATGTATCCAA
 TGATGTGTTTGCCTACAGAGTCCACACTCACCTTTAGGTAAGGTGGTGGAGCGGATACAGAGTAAGAAA
 CGGACAGTGGACACTGATTGGAGCCAGAACCCCGAGTCCACAGGCTTTCTACCTGTGGAACACCC
 GTTGATGTTACTTTTGGTGATATACTGGCAGCCAGATGTGTGTTCACTGGTGAAGGGAGGACAGAGGCCA
 CCCATATCGGCGGCACCTTCTAGTGACGAAATGTGTAACCTGTACATCATGATTACATGGAAGCCAAATA
 TGCACCTTCCCTCATGACCTGTACAAAGAACGTGGCTCCAGATATGTTGAGAACTATCCAGCAGAGGCC
 AATATCCCAATTCCTGTCAAACCGGACATGGTTATGATGCACGGGCATCACAAAGAAGCAGAAAAACAAG
 AAAAGAGTGCTTTAATGCACGACGCAAAAACAGGGAGAGGAAGAAGTATTAGAGCAGGGTGATTTCTATTC
 ACTGCTTTCCAAAGCTGCTAGGAGAAAGGAAGATGTTTATGTGCACAAGTATAATCCTACAGAAAAGACA
 GAATCTGGGTGAGACCTGGTAGCTGAGATTGCAAACTGGTCCAGAAAAAGGACCTTGGTCGGTCTGACG
 CCAGAGAAGGTGCAGAGCATGAGGAATGGGGTAATGCTATCCTAGTCAGAGACAGGATCCACAGATTCCA
 CCAGCTAGAGTCAACTCTGAGGCCAGCTGAGAGCAGAGCTTTCTCGTCCAGCAGCTGGCGAAGGCCCT
 TGGGAACCAGAACCCCTCAGGAGATTTCCATGTGGAAGAAGAACTGGACTGGCCTGGAGTGTACTTGTAC
 CAGGCCAGGTTTCTGGGGTGGCCCTGGATTCTAAGAATAACCTAGTGATTTTCCACAGAGGTGACCATGT
 TTGGGATGAAACTCTTTTACAGCAAGTTTGTACCAGCAAAGAGGTCTTGGCCAATGAAGAAGAC
 ACCATCCTGGTCATTGACCCAAATAATGCTGAAATCCTCCAGTCCAGTGGCAAGAACCTGTTTTATTAC
 CACACGGCTTGAGCATAGATACAGATGGAATATTGGGTACAGATGTGGCTCTCCACAGGTGTTCAA
 ATTTGGACCCGCATAGCAAAGAAGGCCCTCTCTAATTCTGGGAAGGAGCATGCAACCTGGGAGTGACCAA
 AATCATTTCTGCCAGCCACCGATGTGGCTGTGGAGCCAGTACTGGAGCTGTCTTCGTGTGACAGCGTT
 ACTGTAACAGTCCGATTGTGCAGTTTTACCAAGCGGAAAGTTCGTCACCCAGTGGGGAGAGATCCTC
 TGGAAAGCAGTCTTAGGCCAGGCCAGTTCAGTGTTCCTCACAGTTTGGCCCTTGTGCCTCATTGGACCAG
 TTGTGTGTGGCAGACAGGAAAAATGGCCGAATCCAATGCTTCAAACCTGACACCAAGAATTTGTGAGAG
 AGATTAAGCACGCATCATTGGAAGGAATGCTTTGCCATTTATATATACCAGGTTTCTCTTTGCCGT
 AAACGGGAAGCCTTACTTTGGAGACCAAGAGCCCGTCAAGGATTTGTGATGAACTTTTCCAGTGGGGAA
 ATTATAGACGTCTTCAAGCCAGTACGCAAGCACTTCGACATGCCTCATGATATTGTGGCTTCTGAAGATG
 GGACTGTGTACATTGGAGACGCACACAAACACCGTGTGGAAGTTCACCTGACTGAAAAAATGGAGCA
 TCGGTGAGTTAAAAAGGCTGGCATTGAAGTCCAGGAAATCAAAGAAGCCGAGGCAGTTGTTGAACCCAAA
 GTGGAGAACAACCCACCTCCTCAGAAATGCGAAGATGCAAGAGAAACAGAACTGAGCACAGAGCCCG
 GCTCGGGAGTGTCCGTGGTTCTCATTACAACCTTCTGGTTATTCTGTGCTGGTCTGCTGCCATTGT
 CATGTTTATTCCGTGGAAAAATCAAGGGCCTTTGGAGATCATGACCGCAAGCTCGAGTCAAGTTCTGGA
 AGAGTCTGGGAAGATTCGAGGAAAGGGAAGCGGGCTTAAATCTGGGAAATTTCTTTGCAAGTCGAA
 AAGGCTACAGCAGAAAAGGTTTACCGAGTGTGACAGAGGGGAGTGACCAAGAGAAAGATGAGGACGA
 CGGAAGTGTGATCTGAAGAGGAGTACTCGGCCCGCTGCCAAGCTGCACCTTCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja2039_f01.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013000
Insert Size:	2931 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_013000.2 , NP_037132.2
RefSeq Size:	3770 bp
RefSeq ORF:	2931 bp
Locus ID:	25508
UniProt ID:	P14925
Cytogenetics:	9q37
Gene Summary:	catalyzes conversion of glycine-extended peptides into biologically active alpha-amidated peptides [RGD, Feb 2006]