

Product datasheet for **RN210851**

Npepps (NM_080395) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npepps (NM_080395) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Npepps
Synonyms:	Psa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN210851 representing NM_080395

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGCTGGCAGCCGCGTCCCCTCCCTCGCTCGCCGCTGCTCCTCCTCGGCTCTCCGCCTCTCCCC
TCCTTCTCCTCCTCAGCCGCTCCTCTAGCCGCGCCGCCGCTCCACAGCCTGGGCTCGCCGCGATGCC
GGAGAAGCGGCCCTTCGAGCGGCTGCCACCGAGGTGTCGCCATCAACTACAGCCTCTGCCTCAAGCCC
GATTTGCTGGACTTACCTTCGAGGGCAAGCTGGAGGCCGCCAGGTAAAGCAGGCAACCAATCAGA
TTGTGATGAATTGTGCTGATATTGACATTATTACAGCTTCATATGCGCCAGAAGGAGATGAAGAAATCCA
TGCGACAGGATTTAACTATCAGAATGAAGATGAGAAAGTACCTTGTCTTTTCTAGTACTCTCCAAACA
GGTACAGGAACCTTAAAGATAGATTTTGTGGAGAAGTGAACGACAAAATGAAAGTTTCTACAGAAGTA
GATATACCACCCCGCCGCGGAGGTGCGCTATGCTGCTGAACACAGTTTGGGCTACTGATGCCGAAG
GGCTTTTCTTGTGGGATGAGCCTGCTATCAAAGCAACTTTTGATATCTCGTTGGTTGTGCTAAAGAT
AGAGTGGCTTTATCAAATATGAATGTCATTGACAGGAAACCATACCCTGATGATGAAAACCTAGTGGGAA
TGAAGTTTGTCTGCACACCTGTTATGTCTACATATCTGGTGGCATTGTTGTGGGTGAATATGACTTTGT
AGAAAACAAGTCAAAGATGGTGTGTGTCCGTGTTACACCCCTGTTGGCAAAGCAGAGCAAGGAAAA
TTTGCCTAGAGGTTGCTGCTAAAACCTTGCTTTTATAAAGACTACTTCAATGTTCTTATCCTCTAC
CTAAAATTGATCTCATTGCTATTGCTGACTTTGACAGTGGTGGCCATGGAGAACTGGGGCCTTGTTACTTA
TAGGGAGACGGCATTGCTATTGATCCAAAAACTCGTGTCTTCATCACGCCAGTGGGTGCTCTGGTT
GTGGGACATGAACTCGCCATCAATGGTTTGGAACTTGTACTATGGAATGGTGGACTCATCTGCTGT
TGAAACGAAGCTTTGCATCCTGGATTGAGTACCTTTGTGTAGACCACTGCTTCCAGAGTATGATATCTG
GACTCAGTTTGTCTGCAGATTATACCCGTGCCAGGAACTCGATGCCTTAGATAACAGCCATCCTATT
GAAGTCAGTGTGGCCATCCATCTGAGGTTGATGAGATATTTGATGCTATATCATACAGCAAAGGTGCAT
CTGTAATCCGAATGCTACATGACTACATTGGCGATAAAGGACTTTAAGAAAGGAATGAATATGATTTAAC
CAAGTTCCAACAAAAGAATGCTGCCACAGAGGATCTTTGGGAAAGTTTGGAAAGTCCAGTGGCAAACCC
ATAGCCGCTGTGATGAACACCTGGACCAAACAATGGGGTTCCCTCTCATTTATGTGGAAGCTGAACAGG
TAGAAGATGACAGAGTGTGAAGCTGTCTAAAAGAAGTCTGTGCCAGCGGACCTTATGTCGGTGAAGA
CTGTCTCAGTGGATGGTTCCTATCACGATTTCAACTAGTGAAGATCCCAACCAGGCTAACTGAAAATA
CTAATGGATAAGCCAGAGATGAGTGTGGTTTTGAAAAATGTCAAACCAGACCAATGGGTAAGCTAAACC
TGGGAACAGTTGGGTTTTATCGAACCAATACAGCTCTGCTATGCTGGAAAGTTTATTACCAGGCATTG
TGACCTTTCTCTGCCCCAGTGGATCGGCTTGGATTACAGAATGACCTCTTTTCTCTGGCTCGAGCTGGA
ATCATTAGCACTGTAGAGGTTCTAAAAGTCATGGAGGCTTTTGTGAATGAGCCCAATTATACTGTGTGGA
GCGACCTGAGCTGTAACCTGGGATTCTTTCAACTCTCTTGTCCCACACAGACTTCTATGAGGAAATCCA
GGAGTTTGTCAAAGATGTCTTCTCACCTATAGGAGAGAGACTGGGCTGGGACCCCAAACCTGGAGAAGGT
CATCTAGACGCACTCCTGAGGGGCTTGGTGTGGGCAACTGGGAAAAGCAGGGCATAAGGCAACTTTGG
AGAAGCCCGCCGTCGGTTTAAAGGACAGTGGAAAGGGAAGCAGATTCTTCTGCTGACCTAAGGAGTCC
TGTTTACTTACTGTTTTAAAGCATGGTGTGATGGCACTACCTTAGACATTATGCTAAAGCTCACAAACAA
GCTGATATGCAAGAAGAGAAAAACAGAATCGAAAAGATTCTTGGGCTACTCTTTCTCCTGAACTGATTC
AAAAAGTCTCCTTCTTTCGACTTTCAGAAGAGGTACGTCCACAGGACACTGTGTCAGTAATTGGTGGAGT
GGCTGGAGGCAGCAAGCATGGGAGGAAAGCTGCTTGGAAATTCATAAAGGACAACCTGGGAAGAGCTTTAT
AATCGATACCAGGGAGGGTTTTTAATATCCAGACTCATAAAGCTGTGAGTTGAGGGGTTTGCAGTTGATA
AAATGGCTGGAGAAGTTAAGGCTTTCTTCGAGAGTCAACCAGCTCCTTCAGCCGAACGTACCATCCAGCA
GTGTTGTGAGAATATCCTGCTGAACGCTGCTTGGCTAAAGCGGGATGCTGACAGCATTACCAATACCTC
CTGCAGCGAAAGCTCCCTCCCTCGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_080395
Insert Size:	2763 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_080395.1</u> , <u>NP_536320.1</u>
RefSeq Size:	4126 bp
RefSeq ORF:	2763 bp
Locus ID:	50558
Cytogenetics:	10q31
Gene Summary:	protein and enzyme activity are detected in the hippocampus at all developmental stages [RGD, Feb 2006]