

Product datasheet for RN202126

Pnck (NM_017275) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnck (NM_017275) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pnck
Synonyms:	Camk1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202126 representing NM_017275 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCTGCTCAAGAAACAGACGGAGGACATCAGCAGTGTCTATGAGATCCGGGAGAAGCTGGGCTCGG
 GTGCCTTCTCTGAGGTGATGCTGGCCCAGGAAAGGGCTCTGCTCATCTTGTGGCCCTCAAGTGCATTCC
 CAAGAAAGCACTTCGGGGCAAGGAGGCCCTGGTGGAGAATGAGATCGCAGTACTCCGAGGATTAGCCAC
 CCCAACATTGTGGCTCTGGAGGACGTCCACGAGAGCCCTTCCCATCTCTACTTGGCCATGGAGCTGGTAA
 CAGGTGGTGAACGTTTGACCGAATCATGGAGCGGGCTCCTACACAGAGAAGGATGCGAGCCACCTTGT
 AGGGCAGGTCTTGGTGTGTCTCCTACCTTCATAGCCTGGGCATCGTGCACCGGACCTCAAGCCTGAA
 AACCTCCTCTATGCCACACCTTTTGAGGACTCCAAGATCATGGTCTCTGACTTTGGCCTGTCCAAAATTC
 AAGCTGGCAACATGCTAGGCACAGCCTGTGGGACCCAGGATATGTGGCCCCAGAGCTCCTGGAGCAGAA
 ACCCTACGGGAAGGCCGTAGATGTGTGGGCCCTGGGTGTCATCTCCTACATCCTGCTGTGTGGGTACCCC
 CCCTTCTATGATGAGAGCGATCCTGAACCTTCAGCCAGATTCTGAGGGCCAGCTACGAGTTTGACTCTC
 CCTTTTGGGATGACATCTCAGAATCAGCCAAAGACTTCATTGGCACCTTCTGGAACGTGATCCCCAGAA
 GAGGTTACCTGCCAACAGGCCCTTACAGCATCTCTGGATCTCTGGGATGCAGCCTTGGACAGGGACATC
 CTAGGTTCTGTGAGTGCAGATCCAGAAGAATTTGCCAGGACCACTGGAAGCGTGCATTCAATGCCA
 CATCATTCTACGTCACATCCGTAAGCTGGGACAGAGCCAGAGGGTGAAGAGGCCTCCAGGCAGGGTAT
 GACCCGTACAGCCACCCAGGCCTTGGGACTAGCCAGTCTCCCAAGTGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_017275
Insert Size:	1032 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:	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_017275.1</u> , <u>NP_058971.1</u>
RefSeq Size:	1618 bp
RefSeq ORF:	1032 bp
Locus ID:	29660
UniProt ID:	<u>O70150</u>
Cytogenetics:	Xq37
Gene Summary:	contains alternatively spliced isoforms CaM kinase Ibeta3 and Ibeta1; both isoforms activate CaM kinase Ialpha activity via Thr177 phosphorylation [RGD, Feb 2006]