

Product datasheet for MC227157

Pnck (NM_001199352) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pnck (NM_001199352) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pnck
Synonyms: Bstk3; Camk1b; CaMKIb2; caMKIb1; CaMKIb2; Punc
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227157 representing NM_001199352
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCTGCTCAAGAAACAGACGGAGGACATCAGCAGTGTCTATGAGATCCGGGAGAAGCTGGGCTCGG
 GTGCCTTCTCTGAGGTGATGCTGGCCAGGAAAGGGCTCTGCTCATCTTGTGGCCCTCAAGTGCATTCC
 CAAGAAAGCACTTCGGGGCAAGGAGGCCCTGGTGGAGAATGAGATCGCGTACTTCGCAGAATCAGCCAT
 CCCAACATTGTGGCTCTGGAGGACGTCCATGAGAGTCCTTCTCATCTCTACTTGGCCATGGAGCTGGTAA
 CAGGTGGTGAAGTGTGGACCGCATCATGGAGCGGGCTCCTACACAGAGAAGGACGCCAGCCACCTTGT
 AGGGCAGGTCTTGGCGCTGTCTCCTACCTTATAGCCTGGGCATCGTGCACCGGACCTCAAGCCTGAA
 AACCTCCTCTATGCCACACCTTTTGGAGACTCCAAGATCATGGTCTCTGACTTTGGCCTGTCCAAAATAC
 AAGCTGGCAACATGCTAGGCACAGCCTGTGGGACCCAGGATATGTGGCCCAAGCTCCTGGAGCAGAA
 ACCCTACGGGAAGGCCGTAGATGTGTGGCCCTGGGTGCATCTCCTACATCCTGCTGTGTGGGTACCC
 CCCTTCTATGATGAGAGCGATCCTGAATCTTCAGCCAGATTCTGAGGGCCAGCTATGAGTTTGACTCCC
 CCTTTTGGGATGACATCTCAGAATCAGCCAAAGACTTCATTGCCACCTTCTGGAACGTGATCCCCAGAA
 GAGGTTACCTGCCAGCAGGCCCTACAGCATCTTTGGATCTCTGGGGATGCAGCCTTCGATAGGGACATC
 CTGGGTTCTGTAGTGTGAGCAGATCCAGAAGAATTTTGGCAGGACCCACTGGAAGCGTGCATTCAATGCCA
 CATCATTCTACGTACATCCGTAAGCTGGGACAAAGCCAGAGGGTGGAGAGCCCTCCAGGCAGTGTAT
 GACCCGTATAGCCACCCAGGCCTTGGGACTAGCCAGTCCCCAAGTGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001199352



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001199352.1</u> , <u>NP_001186281.1</u>
RefSeq Size:	1506 bp
RefSeq ORF:	1032 bp
Locus ID:	93843
UniProt ID:	<u>Q9QYK9</u>
Cytogenetics:	X 37.38 cM
Gene Summary:	<p>Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates CREB1 and SYN1/synapsin I. Phosphorylates and activates CAMK1 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains a different alternate exon in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p>