

## Product datasheet for MC227156

### Pnck (NM\_001199351) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pnck (NM\_001199351) 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:** >MC227156 representing NM\_001199351  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGCTGCTGCTCAAGAAACAGACGGAGGACATCAGCAGTGTCTATGAGATCCGGGAGAAGCTGGGCTCGG  
 GTGCCTTCTCTGAGGTGATGCTGGCCAGGAAAGGGCTCTGCTCATCTTGTGGCCCTCAAGTGCATTCC  
 CAAGAAAGCACTTCGGGGCAAGGAGGCCCTGGTGGAGAATGAGATCGCGTACTTCGCAGAATCAGCCAT  
 CCAACATTGTGGCTCTGGAGGACGTCCATGAGAGTCCTTCTCATCTCTACTTGGCCATGGAGCTGGTAA  
 CAGGTGGTGAAGTGTGGACCGCATCATGGAGCGGGCTCCTACACAGAGAAGGACGCCAGCCACCTTGT  
 AGGGCAGGTCTTGGCGCTGTCTCCTACCTTATAGCCTGGGCATCGTGCACCGGACCTCAAGCCTGAA  
 AACCTCCTCTATGCCACACCTTTTGGAGACTCCAAGATCATGGTCTCTGACTTTGGCCTGTCCAAAATAC  
 AAGCTGGCAACATGCTAGGCACAGCCTGTGGGACCCAGGATATGTGGCCCAAGCTCCTGGAGCAGAA  
 ACCCTACGGGAAGGCCGTAGATGTGTGGCCCTGGGTGCATCTCCTACATCCTGCTGTGTGGGTACCC  
 CCCTTCTATGATGAGAGCGATCCTGAATCTTCAGCCAGATTCTGAGGGCCAGCTATGAGTTTGACTCCC  
 CCTTTTGGGATGACATCTCAGAATCAGCCAAAGACTTCATTGCCACCTTCTGGAACGTGATCCCCAGAA  
 GAGGTTACCTGCCAGCAGGCCCTACAGCATCTTTGGATCTCTGGGATGCAGCCTTCGATAGGGACATC  
 CTGGGTTCTGTAGTGTGAGCAGATCCAGAAGAATTTTGGCAGGACCCACTGGAAGCGTGCATTCAATGCCA  
 CATCATTCTACGTACATCCGTAAGCTGGGACAAAGCCAGAGGGTGGAGAGGCCCTCCAGGCAGTGTAT  
 GACCCGTATAGCCACCCAGGCCTTGGGACTAGCCAGTCCCCAAGTGG**TGA**

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001199351



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<b>Insert Size:</b>	1032 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001199351.1, NP_001186280.1</u>
<b>RefSeq Size:</b>	1642 bp
<b>RefSeq ORF:</b>	1032 bp
<b>Locus ID:</b>	93843
<b>UniProt ID:</b>	<u>Q9QYK9</u>
<b>Cytogenetics:</b>	X 37.38 cM
<b>Gene Summary:</b>	<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 (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.</p>