

Product datasheet for MC205474

Pnck (NM_012040) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pnck (NM_012040) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pnck
Synonyms: Bstk3; Camk1b; CaMKIb2; caMKIb1; CaMKIb2; Punc
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC055891
GCGGCAGCGCGGTGGCAGCAGCTGCAGACATGCTGCTGCTCAAGAAACAGACGGAGGACATCAGCAGTG
TCTATGAGATCCGGGAGAAGCTGGGCTCGGGTGCCTTCTCTGAGGTGATGCTGGCCAGGAAAGGGGCTC
TGCTCATCTTGTGGCCCTCAAGTGCATTCCCAAGAAAGCACTTCGGGGCAAGGAGGCCCTGGTGGAGAAT
GAGATCGCGGTACTTCGAGAATCAGCCATCCCAACATTGTGGCTCTGGAGGACGTCATGAGAGTCCCTT
CTCATCTACTTGGCCATGGAGCTGGTAACAGGTGGTGAAGTGTGGACCGCATCATGGAGCGGGGCTC
CTACACAGAGAAGGACGCCAGCCACCTTGTAGGGCAGGTCCTTGGCGCTGTCTCTACCTTCATAGCCTG
GGCATCGTGCACCGGGACCTCAAGCCTGAAAACCTCCTCTATGCCACACCTTTTGAGGACTCCAAGATCA
TGGTCTCTGACTTTGGCCTGTCCAAAATAACAAGCTGGCAACATGCTAGGCACAGCCTGTGGGACCCAGG
ATATGTGGCCCCAGAGCTCCTGGAGCAGAAACCCTACGGGAAGGCCGTAGATGTGTGGCCCTGGGTGTC
ATCTCCTACATCCTGCTGTGTGGGTACCCCTTCTATGATGAGAGCGATCCTGAACTTTCAGCCAGA
TTCTGAGGGCCAGCTATGAGTTTACTCCCTTTTGGGATGACATCTCAGAATCAGCCAAAGACTTCAT
TCGCCACCTTCTGGAACGTGATCCCAAGAGGTTACCTGCCAGCAGGCCCTACAGCATCTTTGGATC
TCTGGGGATGCAGCCTTCGATAGGGACATCCTGGGTTCTGTCACTGAGCAGATCCAGAAGAATTTTGCCA
GGACCCACTGGAAGCGTGCATTCATGCCACATCATTCTACGTACATCCGTAAGCTGGGACAAAGCCC
AGAGGGTGAGGAGGCTCCAGGCAGTGTATGACCCGTATAGCCACCCAGGCCTTGGGACTAGCCAGTCC
CCCAAGTGGTAAAACCAGGTAGATGCCAAGGAAGGCCAAGTGGACTGACTCCCGGTTTTTCTTCTCC
AGCCCTTTTGGTCTCTTCTCGGATCCTTGTCTCCAGACTGGCCTCTGCTGGAAGTCTGAGACTGGGT
GTGATGCATGGCACTAGGTACGGGGCTTCCCAAGTATGTCCCAAGCCTCTATTCTTACCTATGGTGGA
GGCTCCCTTTCCATGTGCTGACCCTCTATGGAACTGAGGAGGTGTTCAAAGTGGACTTGGGAGC
CATCCTTCTGCACCTTGACGAAACACATGCATTGTGTGGCTGTTCTGTGCTTTGCTGACTGTGGGTGGT
CCTGCTTGTGTTGGCCCTTTAGTTCTCTTTTCTAACCAATAAAGACAAACAGAACCATAAAAAA
AAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_012040



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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).
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:	BC055891 , AAH55891
RefSeq Size:	1489 bp
RefSeq ORF:	1032 bp
Locus ID:	93843
UniProt ID:	Q9QYK9
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 (2) uses a different splice site in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p>