

Product datasheet for **SC325822**

PNCK (NM_001135740) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNCK (NM_001135740) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNCK
Synonyms:	BSTK3; CaMK1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325822 representing NM_001135740. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGTGGAGGCGTGTATGCGGTGGCCTCGCTGGGAGGCGTCCGTCTGGGACATGCTGCTGCTGAAGAAA
 CACACGGAGGACATCAGCAGCGTCTACGAGATCCGCGAGAGGCTCGGCTCGGGTGCCTTCTCCGAGGTG
 GTGCTGGCCAGGAGCGGGGCTCCGCACACCTCGTGGCCCTCAAGTGCATCCCCAAGAAGGCCCTCCGG
 GGCAAGGAGGCCCTGGTGGAGAACGAGATCGCAGTGCTCCGTAGGATCAGTCACCCCAACATCGTCGCT
 CTGGAGGATGTCCACGAGAGCCCTTCCACCTCTACCTGGCCATGGAAGTGGTGACGGGTGGCGAGCTG
 TTTGACCGCATCATGGAGCGCGCTCTACACAGAGAAGGATGCCAGCCATCTGGTGGGTGAGGTCTT
 GGCGCCGTCTCTACCTGCACAGCCTGGGGATCGTGCACCGGGACCTCAAGCCCGAAAACCTCCTGTAT
 GCCACGCCCTTTGAGGACTCGAAGATCATGGTCTCTGACTTTGGACTCTCCAAAATCCAGGCTGGGAAC
 ATGCTAGGCACCGCCTGTGGGACCCCTGGATATGTGGCCCGAGAGCTCTTGGAGCAGAAACCTACGGG
 AAGGCCGTAGATGTGTGGGCCCTGGGCGTCATCTCCTACATCCTGCTGTGTGGGTACCCCCCTTCTAC
 GACGAGAGCGACCCTGAGCTCTTCAGCCAGATCCTGAGGGCCAGCTATGAGTTTGACTCTCCTTTCTGG
 GATGACATCTCAGAATCAGCCAAAGACTTCATCCGGCACCTTCTGGAGCGAGACCCCAAGAGAGTTT
 ACCTGCCAACAGGCCTTTCGGCACCTTTGGATCTCTGGGACACAGCCTTCGACAGGGACATCTTAGGC
 TCTGTCACTGAGCAGATCCGGAAGAAGTTGCTCGGACACACTGGAAGCGAGCCTTCAATGCCACCTCG
 TTCCTGCCACATCCGGAAGCTGGGGCAGATCCAGAGGGCGAGGGGGCTCTGAGCAGGCGATGGCC
 CGCCACAGCCACTCAGGCCTCCGTGCTGGCCAGCCCCCAAGTGG**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001135740


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Insert Size:	1083 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001135740.1</u>
RefSeq Size:	1522 bp
RefSeq ORF:	1083 bp
Locus ID:	139728
UniProt ID:	<u>Q6P2M8</u>
Cytogenetics:	Xq28
Protein Families:	Druggable Genome, Protein Kinase
MW:	40.4 kDa
Gene Summary:	PNCK is a member of the calcium/calmodulin-dependent protein kinase family of protein serine/threonine kinases (see CAMK1; MIM 604998) (Gardner et al., 2000 [PubMed 10673339]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (b) is shorter and has a distinct N-terminus, compared to isoform a.