

## Product datasheet for SC327850

### PNCK (NM\_001039582) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PNCK (NM_001039582) 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:	>SC327850 representing NM_001039582. Blue=Insert sequence Red=Cloning site Green=Tag(s)

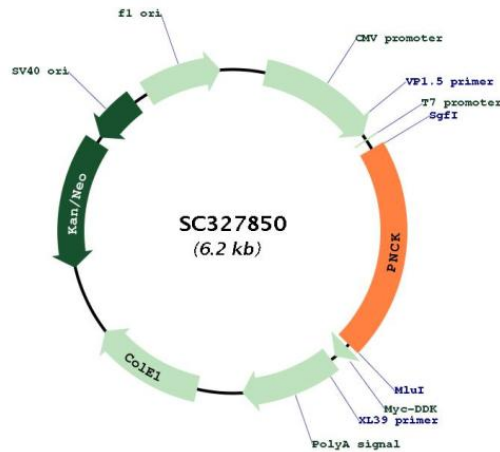
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AAGGCAGAGAGCCTTGCCGACCTGTGGCCGAAGAGCTCTCCGGGAGACAGCCACCGGTGGTGAAAGGC
CCTGGGGCCGGCCAGCCGGGCCGAGCTCCGGGAGGCGCGGAGCGAGCAGTGGGCTGGGCGGTGGC
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GACATCAGCAGCGTCTACGAGATCCGCGAGAGGCTCGGCTCGGGTGCCTTCTCCGAGGTGGTGTGGCC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001039582

Insert Size: 1281 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: [NM\\_001039582.3](#)

RefSeq Size: 1888 bp

RefSeq ORF: 1281 bp

Locus ID: 139728

UniProt ID: [Q6P2M8](#)

Cytogenetics: Xq28

Protein Families: Druggable Genome, Protein Kinase

MW: 47 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 (1) encodes the longest isoform (a).