

Product datasheet for **RG227807**

PNCK (NM_001135740) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNCK (NM_001135740) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PNCK
Synonyms:	BSTK3; CaMK1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227807 representing NM_001135740 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAGGCGTGTATGCGGTGGCCTCGCTGGGAGGCGTCCGTCTGGGGACATGCTGCTGCTGAAGAAAC
ACACGGAGGACATCAGCAGCGTCTACGAGATCCGCGAGAGGCTCGGCTCGGGTGCCTTCTCCGAGGTGGT
GCTGGCCAGGAGCGGGGCTCCGCACACCTCGTGGCCCTCAAGTGCATCCCAAGAAGGCCCTCCGGGGC
AAGGAGGCCCTGGTGGAGAACGAGATCGCAGTGTCCGTAGGATCAGTCACCCCAACATCGTCGCTCTGG
AGGATGTCCACGAGAGCCCTTCCACCTCTACCTGGCCATGGAAGTGGTACGGGTGGCAGCTGTTTGA
CCGCATCATGGAGCGCGGCTCTACACAGAGAAGGATGCCAGCCATCTGGTGGTCAAGTCCCTGGCGCC
GTCTCCTACCTGCACAGCCTGGGATCGTGCACCGGGACCTCAAGCCGAAAACCTCCTGTATGCCACGC
CCTTTGAGGACTCGAAGATCATGGTCTCTGACTTTGGACTCTCCAAAATCCAGGCTGGGAACATGTAGG
CACCGCTGTGGGACCCCTGGATATGTGGCCCCAGAGCTTTGGAGCAGAAACCCACGGGAAGGCCGTA
GATGTGTGGGCCCTGGGCGTCATCTCCTACATCCTGCTGTGTGGGTACCCCCCTTCTACGACGAGAGCG
ACCCTGAGCTCTCAGCCAGATCCTGAGGGCCAGCTATGAGTTTACTCTCCTTTCTGGGATGACATCTC
AGAATCAGCCAAAGACTTCATCCGGCACCTTCTGGAGCGAGACCCCAAGAAGAGGTTACCTGCCAACAG
GCCTTGGCGCACCTTTGGATCTCTGGGGACACAGCCTTCGACAGGGACATCTTAGGCTCTGTCAGTGAGC
AGATCCGGAAGAAGTCTTGGTCTGGACACACTGGAAGCGAGCCTTCAATGCCACCTCGTTCCTGCGCCACAT
CCGGAAGCTGGGCGAGATCCCAGAGGGCGAGGGGCTCTGAGCAGGGCATGGCCCGCCACAGCCACTCA
GGCCTCCGTGCTGGCCAGCCCCCAAGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

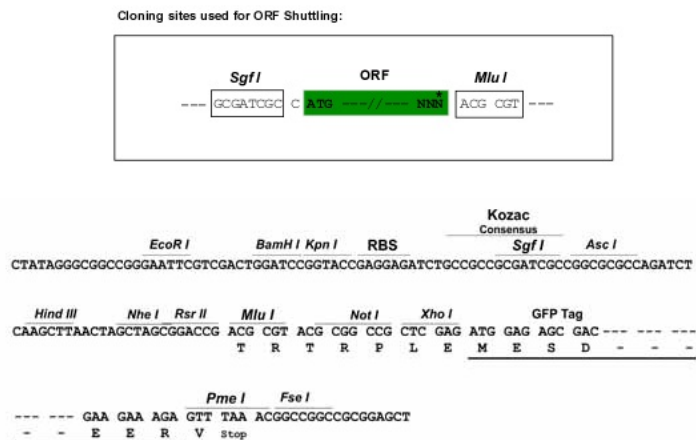
Protein Sequence: >RG227807 representing NM_001135740
 Red=Cloning site Green=Tags(s)

MWRRVCGGLAGRRPSGDMLLLKKHTEDISSVYEIRERLGSRAFSEVVLAQERGAHLVALKCIPKKALRG
 KEALVENEIAVLRRI SHPNIVALEDVHESPSHL YLAMELVTTGELFDRIMERGSYTEKDASHLVGQVLGA
 VSYLHSLGI VHRDLKPENLLYATPFEDSKIMVSDFLSKIQAGNMLGTACGTPGYVAPELLEQKPYGKAV
 DVWALGVISYILLCGYPPFYDESDPELFSQILRASRYEFDSPFWDDISESAKDFIRHLLERDPQKRFTCQQ
 ALRHLWISGDTAFDRDILGSVSEQIRKNFARTHVKRAFNFATSLRHIRKLGOIPEGEGASEQGMARSHS
 GLRAGQPPKW

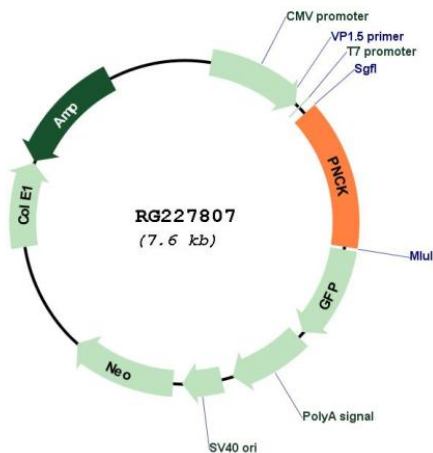
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001135740

ORF Size:	1080 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001135740.1 , NP_001129212.1
RefSeq Size:	1522 bp
RefSeq ORF:	1083 bp
Locus ID:	139728
UniProt ID:	Q6P2M8
Cytogenetics:	Xq28
Protein Families:	Druggable Genome, Protein Kinase
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]