

## Product datasheet for **SC128093**

### **PFTK1 (CDK14) (AF119833) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PFTK1 (CDK14) (AF119833) Human Untagged Clone
Tag:	Tag Free
Symbol:	PFTK1
Synonyms:	PFTAIRE1; PFTK1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC128093 sequence for AF119833 edited (data generated by NextGen Sequencing)

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ATGTGTGACCTCATTGAGCCGACCCGGCCGAGAAGATCGGCAAGATGAAGAAGTTGCGG
AGAAGTTTGTTCGGAGAGTTTTCAGTCGCATTGCTTTGAAGAAAGATGACACCACCTTTGAT
GAGATATGTGTACAAAGATGTCTACACGGAAGTCCAGGGAATGGACTCAGTGATCAAA
CCCCTGGACACAATTCTGAGGATAAAAAAGTCAGAGTTCAGAGGACACAGAGCACTTTT
GACCCATTTGAGAAACCAGCTAATCAAGTAAAGAGGGTGCATTCTGAGAACAATGCTTGC
ATTAACTTTAAGACCTCCTCCACTGGCAAAGAGTCACTAAAGTTAGCGGCACCTCCAGC
CCCAGCTCGCAAACAAGTCCCAAATTTGAAAAGCTGACTCATATGAAAAGCTGGAAAAA
CTAGGGGAAGGATCTTATGCTACAGTATACAAAGGGAAAAAGCAAGGTAATGGGAAGTTG
GTAGCTCTGAAGGTGATCAGGCTGCAGGAAGAAGAAGGGACACCTTTCACAGCTATCAGG
GAAGCTTCTCTTTAAAAGGACTAAAACATGCTAACATAGTGCTACTTCATGACATCATC
CATACCAAGGAGACGCTGACACTTGTGTTGAATATGTGCACACTGATTTATGTCAGTAC
ATGGACAAGCACCTGGGGGGCTGCATCCAGATAATGTGAAGTTGTTTTATTTCAGTTG
CTGCGAGGTCTGTCTTACATCCACCAGCTTATATTTTGCACAGAGACCTGAAACCACAG
AACCTTCTGATCAGTGACACGGGGGAGTTAAAGCTGGCAGATTTTCGGTCTTGCAAGAGCA
AAATCCGTCCTAGCCACACATACTCCAACGAAGTGGTTACCTTGTGGTACAGACCTCCA
GATGTCCTTCTAGGCTCAACAGAATATTCCACCTGCCTTGACATGTGGGGAGTAGGTTGC
ATCTTTGTTGAAATGATCCAAGGAGTTGCTGCTTTTCCAGGAATGAAAGACATTCAGGAT
CAACTTGAACGAATATTTCTGGTTCTTGGAACACCAAAATGAGGACACATGGCCTGGAGTT
CATTCTTTACCACATTTTAAAGCCAGAACGCTTTACCCTGTACAGCTCTAAAAACCTTAGA
CAAGCATGGAATAAGCTCAGCTATGTGAACCATGCAGAGGACCTGGCCTCCAAGCTCCTA
CAATGTTCCCAAAGAACAGAGTGTGCGCACAGGCTGCCTTGAGCCACGAGTATTTTGTAGT
GACCTGCCGCCACGGCTATGGGAACTCACCGACATGTCTTCTATTTTTACTGTCCCAAAT
GTGAGATTGCAACCAGAAGCTGGAGAAAGCATGCGGGCCTTTGGGAAAAACAATAGTTAT
GGCAAAGTCTATCAAACAGCAAGCACTGA

```

Clone variation with respect to AF119833.1  
472 t=>g

**Restriction Sites:** NotI-NotI

**ACCN:** AF119833

**Insert Size:** 5100 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:** A TrueClone.

**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:** [AF119833.1](#), [AAG43234.1](#)

**RefSeq Size:** 2043 bp

**RefSeq ORF:** 2043 bp

**Locus ID:** 5218

**Cytogenetics:** 7q21.13

**Domains:** pkinase, TyrKc, S\_TKc

**Protein Families:** Druggable Genome, Protein Kinase

**Gene Summary:** PFTK1 is a member of the CDC2 (MIM 116940)-related protein kinase family (Yang and Chen, 2001 [PubMed 11313143]).[supplied by OMIM, Mar 2008]