

Product datasheet for SC336037

PFTK1 (CDK14) (NM_001287136) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PFTK1 (CDK14) (NM_001287136) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK14
Synonyms:	PFTAIRE1; PFTK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336037 representing NM_001287136. Blue=Insert sequence Red=Cloning site Green=Tag(s)

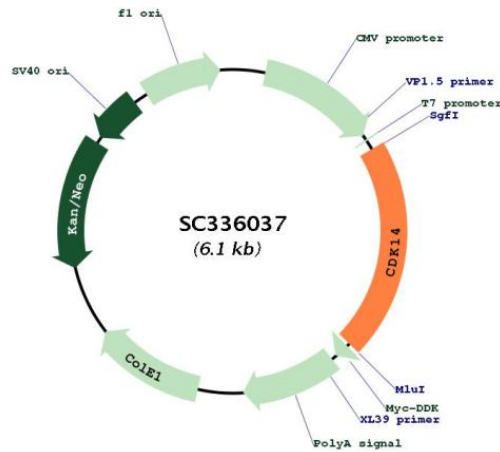
```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTACACGGAAGTCCAGGGAATGGACTCAGTGATCAAACCCCTGGACACAATTCCTGAGGATAAA
AAAGTCAGAGTTCAGAGGACACAGAGCACTTTTGACCCATTTGAGAAACCAGCTAATCAAGTAAAGAGG
GTGCATTCTGAGAACAATGCTTGCATTAACCTTTAAGACCTCCTCCACTGGCAAAGAGTCACCTAAAGTT
AGGCGGCACTCCAGCCCCAGCTCGCCAACAAGTCCCAAATTTGGAAAAGCTGACTCATATGAAAAGCTG
GAAAAACTAGGGGAAGGATCTTATGCTACAGTATACAAAGGGAAAAGCAAGGTAATGGGAAGTTGGTA
GCTCTGAAGGTGATCAGGCTGCAGGAAGAAGAAGGACACCTTTCACAGCTATCAGGAAGCTTCTCTT
TTAAAAGGACTAAAACATGCTAACATAGTGTACTTCATGACATCATCCATACCAAGGAGACGCTGACA
CTTGTTGTTGAATATGTGCACACTGATTTATGTACAGTACATGGACAAGCACCCCTGGGGGGCTGCATCCA
GATAATGTGAAGTTGTTTTATTTCAGTTGCTGCGAGGTCTGTCTTACATCCACCAGCGTTATATTTTG
CACAGAGACCTGAAACCACAGAACCTTCTGATCAGTGACACGGGGGAGTTAAAGCTGGCAGATTTCCGGT
CTTGCAAGAGCAAAATCCGTCCCTAGCCACACATACTCCAACGAAGTGGTTACCTTGTGGTACAGACCT
CCAGATGTCCTTCTAGGCTCAACAGAATATCCACCTGCCTTGACATGTGGGGAGTAGGTTGCATCTTT
GTTGAAATGATCCAAGGAGTTGCTGCTTTTCCAGGAATGAAAGACATTCAGGATCAACTTGAACGAATA
TTTCTGGTTCTTGGAACACCAAATGAGGACACATGGCCTGGAGTTCATTCTTTACCACATTTTAAGCCA
GAACGCTTTACCCTGTACAGCTCTAAAAACCTTAGACAAGCATGGAATAAGCTCAGCTATGTGAACCAT
GCAGAGGACCTGGCCTCCAAGCTCCTACAATGTTCCCAAAGAACAGACTGTCGGCACAGGCTGCCTTG
AGCCACGAGTATTTTGTGACCTGCCGCCACGGCTATGGAACTCACCGACATGCTTCTATTTTACT
GTCCCAAATGTGAGATTGCAACCAGAAGCTGGAGAAAGCATGCGGGCCTTTGGGAAAAACAATAGTTAT
GGCAAAGTCTATCAAACAGCAAGCAC TGA
ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



[View online »](#)

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001287136

Insert Size: 1272 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:

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_001287136.1](#)

RefSeq Size: 4899 bp

RefSeq ORF: 1272 bp

Locus ID: 5218

UniProt ID: [O94921](#)

Cytogenetics: 7q21.13

Protein Families: Druggable Genome, Protein Kinase

MW: 47.8 kDa

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]
Transcript Variant: This variant (3) contains alternate 5' exon structure and it thus differs in the 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a.