

Product datasheet for **RC238143**

PFTK1 (CDK14) (NM_001287136) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PFTK1 (CDK14) (NM_001287136) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CDK14
Synonyms: PFTAIRE1; PFTK1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC238143 representing NM_001287136
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTACACGGAAGTCCAGGGAATGGACTCAGTGATCAAACCCCTGGACACAATTCTGAGGATAAAA
AAGTCAGAGTTTCAGAGGACACAGAGCACTTTTGACCCATTTGAGAAACCAGCTAATCAAGTAAAGAGGGT
GCATTCTGAGAACAATGCTTGCATTAACTTAAGACCTCCTCCACTGGCAAAGAGTCACCTAAAGTTAGG
CGGCACTCCAGCCCAGCTCGCCAAACAAGTCCCAAATTTGGAAAAGCTGACTCATATGAAAAGCTGGAAA
AACTAGGGGAAGGATCTTATGCTACAGTATACAAAGGGAAAAGCAAGGTAATGGGAAGTTGGTAGCTCT
GAAGGTGATCAGGCTGCAGGAAGAAGAAGGGACACCTTTCACAGCTATCAGGGAAGCTTCTCTTTAAAA
GGACTAAAACATGCTAACATAGTGCTACTTTCATGACATCATCCATACCAAGGAGACGCTGACACTTGTGT
TTGAATATGTGCACACTGATTTATGTCAGTACATGGACAAGCACCTGGGGGGCTGCATCCAGATAATGT
GAAGTTGTTTTATTTTCAGTTGCTGCGAGGTCTGTCTTACATCCACCAGCGTTATATTTTGCACAGAGAC
CTGAAACCACAGAACCTTCTGATCAGTGACACGGGGGAGTTAAAGCTGGCAGATTTCCGGTCTTGAAGAG
CAAAATCCGTCCTAGCCACACATACTCCAACGAAGTGGTTACCTTGTGGTACAGACCTCCAGATGTCCT
TCTAGGCTCAACAGAATATTTCCACTGCCTTGACATGTGGGAGTAGGTTGCATCTTTGTTGAAATGATC
CAAGGAGTTGCTGCTTTTCCAGGAATGAAAGACATTCAGGATCAACTGAACGAATATTTCTGGTCTTG
GAACACCAAATGAGGACACATGGCCTGGAGTTCATTCTTTACCACATTTTAAAGCCAGAACGCTTTACCCCT
GTACAGCTCTAAAACCTTAGACAAGCATGGAATAAGCTCAGCTATGTGAACCATGCAGAGGACCTGGCC
TCCAAGCTCTACAATGTTCCCAAAGAACAGACTGTCCGCACAGGCTGCCTTGAGCCACGAGTATTTTA
GTGACCTGCCGCCACGGCTATGGAACTCACCGACATGTCTTCTATTTTTACTGTCCAAATGTGAGATT
GCAACCAGAAGCTGGAGAAAGCATGCGGGCCTTTGGGAAAACAATAGTTATGGCAAAGTCTATCAAAC
AGCAAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1269 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_001287136.1 , NP_001274065.1
RefSeq Size:	4899 bp
RefSeq ORF:	1272 bp
Locus ID:	5218
UniProt ID:	O94921
Cytogenetics:	7q21.13
Protein Families:	Druggable Genome, Protein Kinase
MW:	48.2 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]