

Product datasheet for SC310370

PFTK1 (CDK14) (NM_012395) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PFTK1 (CDK14) (NM_012395) 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:	>SC310370 representing NM_012395. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACGGTTACTTTGGCTGCAATGCTGCTGCAGAGCCCGTTACTCTGCCTTCGTGGAACTCCACAG
ATATGTGTACAAAGATGTCTACACGGAAGTCCAGGGAATGGACTCAGTGATCAAACCCCTGGACACA
ATTCCTGAGGATAAAAAAGTCAGAGTTCAGAGGACACAGAGCACTTTTGACCCATTTGAGAAACCAGCT
AATCAAGTAAAGAGGGTGCATTCTGAGAACAATGCTTGCATTAACTTAAGACCTCCTCCACTGGCAAA
GAGTCACCTAAAGTTAGGCGGCACTCCAGCCCCAGCTCGCCAACAAGTCCCAAATTTGAAAAGCTGAC
TCATATGAAAAGCTGAAAAAAGTGGGGAAGGATCTTATGCTACAGTATACAAAGGAAAAGCAAGGTA
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CAGCGTTATATTTGCACAGAGACCTGAAACCACAGAACCTTCTGATCAGTGACACGGGGAGTTAAAG
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TTGTGGTACAGACCTCCAGATGTCCTTCTAGGCTCAACAGAATATTCCACCTGCCTTGACATGTGGGA
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AAAAACAATAGTTATGGCAAAGTCTATCAAACAGCAAGCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_012395
Insert Size:	1356 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:	<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:	<u>NM_012395.3</u>
RefSeq Size:	4970 bp
RefSeq ORF:	1356 bp
Locus ID:	5218
UniProt ID:	<u>O94921</u>
Cytogenetics:	7q21.13
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	50.7 kDa
Gene Summary:	<p>PFTK1 is a member of the CDC2 (MIM 116940)-related protein kinase family (Yang and Chen, 2001 [PubMed 11313143]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) contains alternate 5' exon structure and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a.</p>