

Product datasheet for **RG237576**

PFTK1 (CDK14) (NM_001287137) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PFTK1 (CDK14) (NM_001287137) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDK14
Synonyms:	PFTAIRE1; PFTK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237576 representing NM_001287137. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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CTCACCGACATGCTTTCTATTTTACTGTCCCAAATGTGAGATTGCAACCAGAAGCTGGGAAAGCATG
CGGGCCTTTGGGAAAAACAATAGTTATGGCAAAAGTCTATCAAACAGCAAGCAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237576
 Blue=ORF Red=Cloning site Green=Tag(s)

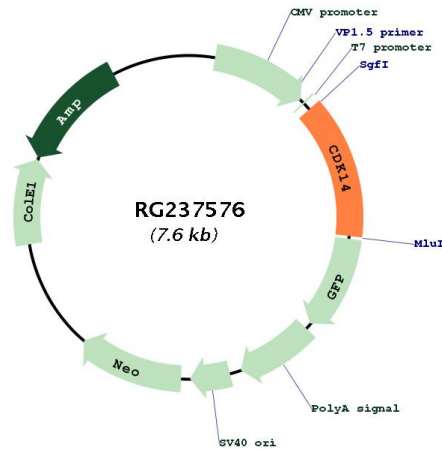
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 I IHTKETLTLVFEYVHTDLQYMDKHPGGLHPDNVKLFLFQLLRGLSYIHQRYILHRDLKPQNLLISDT
 GELKLAFLGLARAKSVPSHTYSNEVTLWYRPPDVLGSTEYSTCLDMWGVGCFVEMIQGVAAFPGMK
 DIQDQLERIFLVLGTPNEDTWPGVHSLPHFKPERFTLYSSKNLRQAWNKLSYVNHAE DLASKLLQCSPK
 NRLSAQAALSHEYFSDLPPRLWELTDMSSIFTVPNVRLQPEAGESMRAF GKNNNSYGKSLSNSKH
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001287137

ORF Size:	1020 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).
RefSeq:	NM_001287137.1 , NP_001274066.1
RefSeq Size:	4804 bp
RefSeq ORF:	1023 bp
Locus ID:	5218
UniProt ID:	O94921
Cytogenetics:	7q21.13
Protein Families:	Druggable Genome, Protein Kinase
MW:	38.8 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]