

## Product datasheet for **RG238143**

### **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:	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:	>RG238143 representing NM_001287136. Blue=ORF Red=Cloning site Green=Tag(s)

```
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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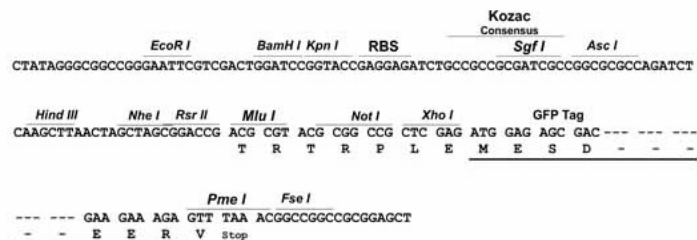
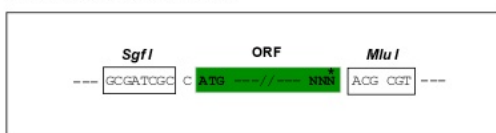
**Protein Sequence:** >Peptide sequence encoded by RG238143  
 Blue=ORF Red=Cloning site Green=Tag(s)

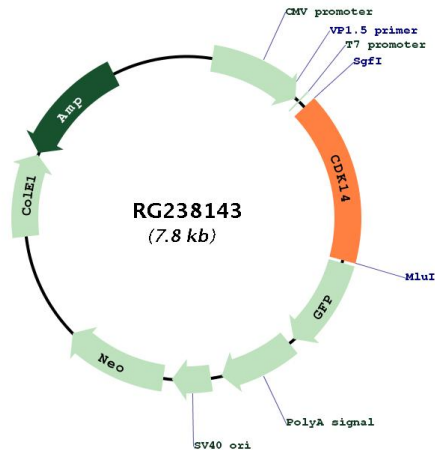
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 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_001287136

**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).

**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]