

## Product datasheet for **SC205713**

### VRK1 (NM\_003384) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** VRK1 (NM\_003384) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** VRK1  
**Synonyms:** PCH1; PCH1A  
**ACCN:** NM\_003384  
**Insert Size:** 431 bp  
**Insert Sequence:** >SC205713 3'UTR clone of NM\_003384

The sequence shown below is from the reference sequence of NM\_003384. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCAAGAACCAGAAAGAGAGTCCAGAAGTAAATTCAGATGCTGTGAACCAGATTTCTTTTCTTTGTTTTT
TTTTGACTTTTTTCTCTTTTCTATTTGAACTGTTTTATTTTCTGTGAGTCTTGGAGGTGGAAGTAA
TGATTAATACTCATGTGTTTCAGAAAACATAAACTTTTTTATAAAAATATTTGTACAATTCATTA
GGTAATTTATGAAATTTGAAAATCTTCAGGTTATACTCCTTAAGTTATCCCAAAGCCGTGTGTTGTG
ATGTTTTGGAGTACATATATGAAAATTATTATGACACGCACCTTTCTAATCATTGTACATTTCTCAG
AGTGGATAAAAATGTTTGACAAAGTCTCACTTTAAGGAAATGCAAAGCTTAAAATAAACTCTCTTT
TGTTTGATGCAAACACA
ACGCGTAAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_003384.3](#)



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**Summary:** This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. This gene is widely expressed in human tissues and has increased expression in actively dividing cells, such as those in testis, thymus, fetal liver, and carcinomas. Its protein localizes to the nucleus and has been shown to promote the stability and nuclear accumulation of a transcriptionally active p53 molecule and, in vitro, to phosphorylate Thr18 of p53 and reduce p53 ubiquitination. This gene, therefore, may regulate cell proliferation. This protein also phosphorylates histone, casein, and the transcription factors ATF2 (activating transcription factor 2) and c-JUN. [provided by RefSeq, Jul 2008]

**Locus ID:** 7443

**MW:** 17.4