

## Product datasheet for RC223467

### CCK4 (PTK7) (NM\_152882) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCK4 (PTK7) (NM_152882) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PTK7
Synonyms:	CCK-4; CCK4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC223467 representing NM_152882 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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TGGAGTTTGACAAGGAGGCCACGGTGCCCTGTTTACGCCACAGGCCGAGAGAAGCCCACTATTAAGTGGGA  
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 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC223467 representing NM\_152882  
 Red=Cloning site Green=Tags(s)

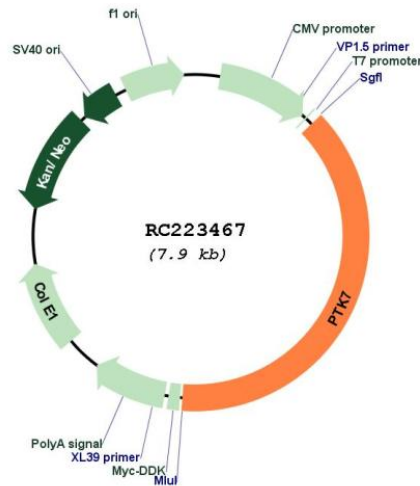
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 GQPSAEIQEEVALTSLGSGPAATNKRHSTSDKMHFPRSSLQPIITLTKSEFGEVFLAKAQGLEEVAETL  
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 WVPLRWMSPEAILEGDFSTKSDVWAFVLMWEVFTHEMPHGGQADDEVLADLQAGKARLPQPEGCPKSL  
 YRLMQRWALSPKDRPSFSEIASALGDSTVDSKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_152882

**ORF Size:**

3042 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_152882.4</a>
<b>RefSeq Size:</b>	4105 bp
<b>RefSeq ORF:</b>	3045 bp
<b>Locus ID:</b>	5754
<b>UniProt ID:</b>	<a href="#">Q13308</a>
<b>Cytogenetics:</b>	6p21.1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>MW:</b>	112.3 kDa
<b>Gene Summary:</b>	This gene encodes a member of the receptor protein tyrosine kinase family of proteins that transduce extracellular signals across the cell membrane. The encoded protein lacks detectable catalytic tyrosine kinase activity, is involved in the Wnt signaling pathway and plays a role in multiple cellular processes including polarity and adhesion. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]