

## Product datasheet for **SC328864**

### **PCTAIRE2 (CDK17) (NM\_001170464) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PCTAIRE2 (CDK17) (NM_001170464) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK17
Synonyms:	PCTAIRE2; PCTK2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC328864 representing NM\_001170464.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

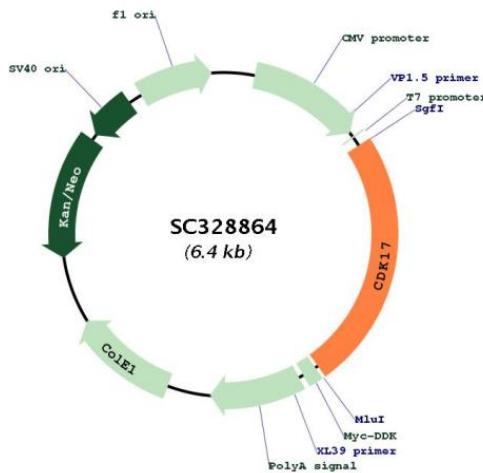
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```

**Restriction Sites:**

Sgfl-MluI

**Plasmid Map:**



**ACCN:**

NM\_001170464

<b>Insert Size:</b>	1572 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<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_001170464.2</a>
<b>RefSeq Size:</b>	4722 bp
<b>RefSeq ORF:</b>	1572 bp
<b>Locus ID:</b>	5128
<b>UniProt ID:</b>	<a href="#">Q00537</a>
<b>Cytogenetics:</b>	12q23.1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	59.5 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. It has similarity to a rat protein that is thought to play a role in terminally differentiated neurons. Alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a distinct C-terminus but is the same length as isoform 1.</p>