

Product datasheet for SC109561

PCTAIRE1 (CDK16) (NM_033018) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCTAIRE1 (CDK16) (NM_033018) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCTAIRE1
Synonyms:	PCTAIRE; PCTAIRE1; PCTGAIRE; PCTK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_033018 edited
 ATGGATCGGATGAAGAAGATCAAACGGCAGCTGTCAATGACACTCCGAGGTGGCCGAGGC
 ATAGACAAGACCAATGGTGCCCTGAGCAGATAGGCCTGGATGAGAGTGGTGGTGGC
 GGCAGTGACCCTGGAGAGGCCCCACACGTGCTGCTCCTGGGAACTTCGTTCTGCACGG
 GGCCCACTCAGCTCTGCACCAGAGATTGTGCACGAGGACTTGAAGATGGGGTCTGATGGG
 GAGAGTGACCAGGCTTACGCCACGTCTCGGATGAGGTGACGTCTCCAGTGAGAGTGCCT
 ATGCGCAACCATCCCCACGCAAGATCTCCACTGAGGACATCAACAAGCGCCTATCACTA
 CCAGCTGACATCCGGCTGCCTGAGGGCTACCTGGAGAAGCTGACCCTCAATAGCCCCATC
 TTTGACAAGCCCCTCAGCCGCCCTCCGTGTCGTGTCAGCCTATCTGAGATTGGCTTTGGG
 AAAGTGGAGACCTACATTAAGCTGGACAACTGGGCGAGGGTACCTATGCCACCGTCTAC
 AAAGGCAAAAGCAAGCTCACAGACAACCTTGTGGCACTCAAGGAGATCAGACTGGAACAT
 GAAGAGGGGGCACCCTGCACCGCATCCGGGAAGTGTCCCTGCTCAAGGACCTCAAACAC
 GCCAACATCGTTACGCTACATGACATTATCCACACGGAGAAGTCCCTCACCCCTGTCTTT
 GAGTACCTGGACAAGGACCTGAAGCAGTACCTGGATGACTGTGGGAACATCATCAACATG
 CACAACGTGAACTGTTCTGTTCCAGCTGCTCCGTGGCCTGGCCTACTGCCACCGGCAG
 AAGGTGTACACCGAGACCTCAAGCCCCAGAACCTGCTCATCAACGAGAGGGGAGAGCTC
 AAGCTGGCTGACTTTGGCCTGGCCCGAGCCAAGTCAATCCCAACAAGACATACTCCAAT
 GAGGTGGTGACACTGTGGTACCGGCCCTGACATCCTGCTTGGGTCCACGGACTACTCC
 ACTCAGATTGACATGTGGGGTGTGGGCTGCATCTTCTATGAGATGGCCACAGGCCGTCCC
 CTCTTTCCGGGCTCCACGGTGGAGGAACAGCTACACTTCATCTTCCGTATCTTAGGAACC
 CCAACTGAGGAGACGTGGCCAGGCATCCTGTCCAACGAGGAGTTCAAGACATACTAATACT
 CCCAAGTACCGAGCCGAGGCCCTTTGAGCCACGACCCCGACTTGATAGCGACGGGGCC
 GACCTCTCACCAAGCTGTTGCAGTTTGAGGGTCGAAATCGGATCTCCGAGAGGATGCC
 ATGAAACATCCATTCTTCTCAGTCTGGGGGAGCGGATCCACAACTTCTGACACTACT
 TCCATATTTGACTAAAGGAGATTCAGCTACAAAAGGAGGCCAGCCTTCGGTCTTCGTGC
 ATGCTGACTCAGGCAGGCCAGCTTTCCGCGTGGTGGACACCGAGTTCTAA



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033018 unedited
 GCACGAGCCTCCCAACACCTCAAGGGATAGAAGTGAAGTGTCTTCTTTTCTTTTCT
 CCTTGCAAAGTCCCCTTTGCCACCATGGGGATGTACCAAGTGAAGACCGAGTAGGGGAA
 CGAGTGGTGATTGACGCGCCAGTTACTGGCCACTGCTCACCTAGGCGCTAGCAAATTC
 TGCCAAGATCGGAACTGAGTACTAAACAGCCTCCACAGTTCTCCCTGGTGCCGTCTCCGG
 CTTGGCGCCGCATCCTCCTCTGGGCTCGCGATGGCCGCGTCCCCTCCCGCTGCGGACGGG
 TCCTTTGGTACATGCAGTCCGAGATCGCCATGGATCGGATGAAGAAGATCAAACGGCAGC
 TGTCAATGACACTCCGAGGTGGCCGAGGCATAGACAAGACCAATGGTGCCCTGAGCAGA
 TAGGCCTGGATGAGAGTGGTGGTGGTGGCGCAGTGACCTGGAGAGGCCCCACACGTG
 CTGCTCTGNGGAACTTCGTTCTGCACGNGCCCACTCAGCTCTGCACCAGAGATTGTGC
 ACGAGGACTTGAAGATGGGGTCTGATGGGGAGAGTGACCAGGCTCAGCCACGTCCTCGG
 ATGAGGTGCAGTCTCCAGTGAAGTGCATGCGCAACCATCCCCACGCAAGATCTCCA
 CTGAGGACATCAACAAGCGCCTATCACTACCAGCTGACATCCGGGCTGCCTGAGGCTACC
 TGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033018 unedited
 NNNNNACTCNNTGNGACCGCNGCCTTANCTAGNATNCNAGTTTTTTTTCTTTTTTTTT
 TTTTTCACTTTAACTTTTTAATTTTCATACAGCGATTATGGTGCATTGAGGAACCCAA
 CCCCCAAACCCACTAGGAGGGCTCCCACCCCTGCCCTCCCACCCATTTAGGGCCCCA
 GGGCTTAGGGTGGAGGAAGGGGAGGTAACCACTTTTTTTGGGACTGACCCTGGAGACTGT
 CCCTGCCCTGCCCTCACCTCCCCAGGAGATAGGGGGCAACACCTGGGCACAACCCCTCAC
 ACCCCCTCCCCAACCTGCTTGTGCACATATGCACATTATGGCTCCTCGCTGAGCTGG
 TCAGTTCTTGGCAGGGCCCTACCCAACAGCACCGAGTGGGATGGGAGCAAGGGGACTGG
 GCTGGGGAGACCTGAGAAGGAAGGAGGCCACAGCTACGGGACTGCAGGAGAGAAAGAGT
 GGGGCCCCACCTTGTCCATTTCCAGAGTCTCTGGTAGTCCCCAGATCCCCCTGCAAC
 TGGGGATGGCGGGCGGGGTAGGAAGGCGAGTGGCTGTGGCATGCTTTCCATAGCCAAT
 CCCAGGGTCTGGTGATGATCAGGGTTCCAAATAGGGGCTGTGTCCCTGTCTCTGAAAGGC
 TGGGAGCAGGGCTTATTGCACAAAATACTGTGGGAGGGCCACACGCAGGGGGTGGGGCC
 CAGCCAGTCTGTATACAGAGATATTGCATTTAAAAAACANAATCTCATTTTAAATATT
 AAAAAAAAAAAACCATGAATGGAACAAAACAAAAAGCCACACAATATGAGGCAGGTG
 GGGCAGGCANGAAAGCAGGCACAAAATGCCTCAAACCAAGCCATTGTCCATTCTGTCT
 GAGTCGAGATCCCAGCCTGGGCTAACTCTGAACCCCTGCCTGGCCCGGGGTAATGGTC
 C

Restriction Sites:

NotI-NotI

ACCN:

NM_033018

OTI Disclaimer:

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).

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).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_033018.2 , NP_148978.1
RefSeq Size:	3280 bp
RefSeq ORF:	1491 bp
Locus ID:	5127
UniProt ID:	Q00536
Cytogenetics:	Xp11.3
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>The protein encoded by this gene belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. It may play a role in signal transduction cascades in terminally differentiated cells; in exocytosis; and in transport of secretory cargo from the endoplasmic reticulum. This gene is thought to escape X inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2009]</p> <p>Transcript Variant: This variant (2) uses an alternate exon in the 5' UTR and 5' coding region, compared to variant 1. It encodes isoform 2, which has a longer and distinct N-terminus, compared to isoform 1.</p>