

Product datasheet for SC111664

PCTAIRE1 (CDK16) (NM_006201) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCTAIRE1 (CDK16) (NM_006201) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCTAIRE1
Synonyms:	PCTAIRE; PCTAIRE1; PCTGAIRE; PCTK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_006201 edited
 ATGGATCGGATGAAGAAGATCAAACGGCAGCTGTCAATGACACTCCGAGGTGGCCGAGGC
 ATAGACAAGACCAATGGTGCCCTGAGCAGATAGGCCTGGATGAGAGTGGTGGTGGC
 GGCAGTGACCCTGGAGAGGCCCCACACGTGCTGCTCCTGGGAACTTCGTTCTGCACGG
 GGCCCACTCAGCTCTGCACCAGAGATTGTGCACGAGGACTTGAAGATGGGGTCTGATGGG
 GAGAGTGACCAGGCTTACGCCACGTCTCGGATGAGGTGACGTCTCCAGTGAGAGTGCCT
 ATGCGCAACCATCCCCACGCAAGATCTCCACTGAGGACATCAACAAGCGCCTATCACTA
 CCAGCTGACATCCGGCTGCCTGAGGGCTACCTGGAGAAGCTGACCCTCAATAGCCCCATC
 TTTGACAAGCCCCTCAGCCGCCCTCCGTGCTGTCAGCCTATCTGAGATTGGCTTTGGG
 AAAGTGGAGACCTACATTAAGCTGGACAACTGGGCGAGGGTACCTATGCCACCGTCTAC
 AAAGGCAAAAGCAAGCTCACAGACAACCTTGTGGCACTCAAGGAGATCAGACTGGAACAT
 GAAGAGGGGGCACCCTGCACCGCATCCGGGAAGTGTCCCTGCTCAAGGACCTCAAACAC
 GCCAACATCGTTACGCTACATGACATTATCCACACGGAGAAGTCCCTCACCCCTGTCTTT
 GAGTACCTGGACAAGGACCTGAAGCAGTACCTGGATGACTGTGGGAACATCATCAACATG
 CACAACGTGAACTGTTCTGTTCCAGCTGCTCCGTGGCCTGGCCTACTGCCACCGGCAG
 AAGGTGCTACACCGAGACCTCAAGCCCCAGAACCTGCTCATCAACGAGAGGGGAGAGCTC
 AAGCTGGCTGACTTTGGCCTGGCCCGAGCCAAGTCAATCCCAACAAGACATACTCCAAT
 GAGGTGGTGACACTGTGGTACCGGCCCTGACATCCTGCTTGGGTCCACGGACTACTCC
 ACTCAGATTGACATGTGGGGTGTGGGCTGCATCTTCTATGAGATGGCCACAGCCGTCCT
 CTCTTTCCGGGCTCCACGGTGGAGGAACAGCTACACTTCATCTTCCGTATCTTAGGAACC
 CCAACTGAGGAGACGTGGCCAGGCATCCTGTCCAACGAGGAGTTCAAGACATACTAATACT
 CCCAAGTACCGAGCCGAGGCCCTTTTGAGCCACGACCCCGACTTGATAGCGACGGGGCC
 GACCTCTCACCAAGCTGTTGCAGTTTGAGGGTCGAAATCGGATCTCCGCAGAGGATGCC
 ATGAAACATCCATTCTTCTCAGTCTGGGGGAGCGGATCCACAACTTCTGACACTACT
 TCCATATTTGACTAAAGGAGATTCAGCTACAAAAGGAGGCCAGCCTTCGGTCTTCGTGC
 ATGCCTGACTCAGGCAGGCCAGCTTCCGCGTGGTGGACACCGAGTTCTAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006201 unedited</p> <pre>TCACTATAGGCGGCCGCGAATTCGCACGAGGCCGCCAGGCGCCGCGCCGCGCCCGCCCGGCTCTGAGGTTGCTCGCGCGCCCGCCGATCGCCATGGATCGGATGAAGAAGATCAAACGGCAGCTGTCAATGACACTCCGAGGTGGCCGAGGCATAGACAAGACCAATGGTGCCCCTGAGCAGATAGGCCTGGATGAGAGTGGTGGTGGCGGCAGTGACCCTGGAGAGGCCCCACACGTGCTGCTCCTGGGGAACCTCGTTCTGCACGGGGCCCACTCAGCTCTGCACCAGAGATTGTCACGAGGACTTGAAGATGGGGTCTGATGGGGAGAGTGACCAGGCTTCAGCCAGTCCCGATGAGGTGACGTCTCCAGTGAGAGTGCGTATGCGCAACCATCCCCACGCAAGATCTCCACTGAGGACATCAACAAGCGCCTATCACTACCAGCTGACATCCGGCTGCCTGAGGGCTACCTGGAGAAGCTGACCCTCAATAGCCCCATCTTTGACAAGCCCCTCAGCCGCCGCTCCGTCGTGTCAGCCTATCTGAGATTGGCTNTGGGAACTGGAGACCTACATTAAGCTGGACAACTGNGCGAGGGTACCTATGCCACCGTCTACAAAGGCAAAAGCAAGCTCACAGACAACCTTGTGGCACTCAAGGAGATCAGACTGGAACATGAAGAGGGGGCACCTGCACCGNCATNCGGGAAGTGNCCGCTCAAGGACCTCAAACACGCCAACATCGTTACGCTACATGACATTATCCCACGGAGAAGTCCCTCACCTGTCTTTGAGTACCTGACAGGACCTGAGCAGTACTGNATGACTGTGGGACATATCACATGCCACGTGAACTGNTCCGTGCTACTGCTCGTGGCTGCTACTGCACGGAGAGTGCTACACGGACCTAGCCCCGAACTGTATACGAAGGGAAAC TAGCTGCTGACTTGNCTGNCCGAGCAGTATCCACAGACTACTCATGAGGGGACCTGGGTCGCCCTGATCTT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006201 unedited</p> <pre>CTTCCAGGGCCGAAAAGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTCA GGAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGAAG GAGTGATGAGAGCTTTGTTAGCACCCAGCAGACAGGCCAATGGTGGGTTGACAGGCCAA TGGTGGGGTGTGGGCGAGCAGGGGACAAGTGGGCAGGTGAACATGGCTCAGGCAG GTAGGCAGAGAGTAAGCAGGGAAGATGTAGTTGGGGGCTGCCCTGTGAGGGGTGTGGCAT CCCTCCAGCCGCTGCCTGCTGGGGCCTCGGTCTGTGGCTTAAACTCGGTGTCCACCACG CGGAAAGCTGGCCTGCCTGAGTCAGGCATCGACGAAGACCGAAGGCTGGCCTCCTTTTGT AGCTGAATCTCCTTTAGTGCAAATATGGAAGTAGTGTGAGGAAGTTTGTGGATCCGCTCC CCCAGACTGAGGAAGAATGGATGTTTCATGGCATCCTCTGCGGAGATCCGATTTTCGACCC TCAAAGGGCCCTCGGTACTTGGGTAGTTGTATGTCTTGAACCTCCTCGTTGGAC AGGATGCCTGGCCACGTCTCCTCAGTTGGGGTTCCTAAGATACGGAGATGAAGTGTAGCT GTTCTCCACCGTGGAGCCCGAAAGAAGGGACGNGCCTGTGCCATCTATAGAGATGCAGC CACACCCACATGTAATCTGAGTGAGTAGTCCGTGACCAGCAGATGTGAGGGGGCCGGACC ACATGTACCACCTATGGAGATGTCTTTGTGGGATGACTTGCTCGGCCAGCAAGTCAACAC TGACTTCTTCTGATAACAAGTTTGGGCTGGGCTGGGTACACTTTGCGGGCATAGCCAG CCGN</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006201
Insert Size:	1880 bp
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:

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_006201.3](#), [NP_006192.1](#)

RefSeq Size: 3130 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: 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]
Transcript Variant: This variant (1) encodes the shortest isoform (1).