

Product datasheet for **SC308643**

PCTAIRE3 (CDK18) (NM_212503) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCTAIRE3 (CDK18) (NM_212503) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK18
Synonyms:	PCTAIRE; PCTAIRE3; PCTK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC308643 representing NM_212503.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCATGAACAAGATGAAGAACCTTTAAGCGCCGTTTCTCCCTGTCAGTGCCCCGCACTGAGACCATT
GAAGAATCCTTGGCTGAATTCACGGAGCAATTC AACAGCTCCACAACCGCGGAATGAGAACTTGCAG
CTCGGTCTCTTGGCAGAGACCCCCGAGGAGTGCAGCACCTTCTCCCAACAGACAGCGGGAGGAG
CCGGGGCAGCTCTCCCTGGCGTGCAGTTCCAGCGGCGGCGAGAACCAGCGCCGCTTCTCCATGGAGGTG
AGGGCCTCTGGAGCTCTGCCCGGCAGGTGGCAGGATGCACGCACAAGGGTGTGCACAGGAGGGCAGCT
GCCTTACAGCCAGACTTTGACGTGAGCAAGAGGCTCTCTCTGCCCATGGATATCCGCCTGCCCCAGGAA
TTCCTACAGAAGCTACAGATGGAGAGCCAGATCTGCCAAGCCGCTCAGCCGCATGTCCCGCCGGGCC
TCCCTGTCAGACATTGGCTTTGGAAACTGAAACATACGTGAACTGGACAACTGGGAGAGGGCACC
TATGCCACAGTCTTCAAAGGGCGCAGCAAACCTGACGGAGAACCTTGTGGCCCTGAAAGAGATCCGGCTG
GAGCACGAGGAGGAGCGCCCTGCACTGCCATCCGAGAGGTGTCTCTGCTGAAGAACCTGAAGCACGCC
AATATTGTGACCTGCATGACCTCATCCACACAGATCGGTCCCTCACCTGGTGTGTTGAGTACCTGGAC
AGTGACCTGAAGCAGTATCTGGACCACTGTGGAACTCATGAGCATGCACAACGTCAAGATTTTCATG
TTCCAGCTGCTCCGGGGCCTCGCCTACTGTACCACCGCAAGATCCTGCACCGGGACCTGAAGCCCCAG
AACCTGCTCATCAACGAGAGGGGGAGCTGAAGCTGGCCGACTTTGGACTGGCCAGGGCCAAGTCAGTG
CCCACAAGACTTACTCCAATGAGGTGGTGACCCTGTGGTACAGGCCCCCGATGTGCTGCTGGGATCC
ACAGAGTACTCCACCCCAATTGATATGTGGGGCGTGGGCTGCATCCACTACGAGATGGCCACAGGGAGG
CCCCTCTTCCCGGGCTCCACAGTCAAGGAGGAGCTGCACCTCATCTTTCCCTCCTCGGGACCCCAACA
GAAGAGACGTGGCCCGGGCTGACCGCTTCTCTGAGTTCGCACCTACAGCTTCCCTGCTACCTCCCG
CAGCCGCTCATCAACCACGCGCCAGGTTGGATACGGATGGCATCCACCTCTGAGCAGCCTGCTCCTG
TATGAATCCAAGAGTTCGATGTGACGAGAGGCTGCCCTGAGTCACTCCTACTTCCGGTCTCTGGGAGAG
CGTGTGCACCAGCTTGAAGACACTGCCTCCATCTTCTCCCTGAAGGAGATCCAGTCCAGAAGGACCCA
GGCTACCGAGGCTTGGCCTTCCAGCAGCCAGGACGAGGGAAGAACAGGCGGCAGAGCATCTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM_212503
- Insert Size:** 1515 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).
- OTI Annotation:** 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.
- 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_212503.2](#)

RefSeq Size: 3212 bp

RefSeq ORF: 1515 bp

Locus ID: 5129

UniProt ID: [Q07002](#)

Cytogenetics: 1q32.1

Protein Families: Druggable Genome, Protein Kinase

MW: 57.6 kDa

Gene Summary: May play a role in signal transduction cascades in terminally differentiated cells.
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (a). CCDS Note: This CCDS representation uses the 5'-most in-frame start codon found in the transcript. It should be noted that this start codon has a weak Kozak signal, and its conservation is restricted to primate species, squirrel, rock hyrax and armadillo. Two better conserved potential start codons with stronger Kozak signals are located two and five codons downstream, respectively. It is possible that leaky scanning by ribosomes would allow one of the downstream start codons to be used some of the time. There is no experimental evidence indicating which start codon is preferentially used in vivo.