

## Product datasheet for PH304962

### PCTAIRE1 (CDK16) (NM\_033018) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CDK16 MS Standard C13 and N15-labeled recombinant protein (NP_148978)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204962
Predicted MW:	55.7 kDa
Protein Sequence:	>RC204962 protein sequence Red=Cloning site Green=Tags(s)

MDRMKKIKRQLSMTLRGGRGIDKTNGAPEQIGLDESGGGGSDPGEAPTRAAPGELRSARGPLSSAPEIV  
HEDLKMGSQDGEDQASATSSDEVQSPVVRMRNHPPRKISTEDINKRLSLPADIRLPEGYLEKLTLSNPI  
FDKPLSRRLRRVSLSEIGFGKLETYIKLDKLGEGTYATVYKGSKLTNDLVALKEIRLEHEEGAPCTAIR  
EVSLLKDLKHANIVTLHDIHTEKSLTLVFEYLDKDLKQYLDDCGNIINMHNVKLFQLLRGLAYCHRQ  
KVLHRDLKPNLLINERGELKLADFGGLARAKSIPTKYSNEVVTLYWRPPDILLGSTDYSTQIDMWGVGC  
IFYEMATGRPLFPGSTVEEQLHFIFRILGTPTEETWPGILSNEEFKTYNYPKYRAEALLSHAPRLSDGA  
DLLTKLLQFEGNRISAEDAMKHPFFLSLGERIHKLPDTSIFALKEIQLQKEASLRSSMPDSGRPAFR  
VVDTEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_148978</a>
RefSeq Size:	3280
RefSeq ORF:	1488



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**Synonyms:** PCTAIRE; PCTAIRE1; PCTGAIRE; PCTK1

**Locus ID:** 5127

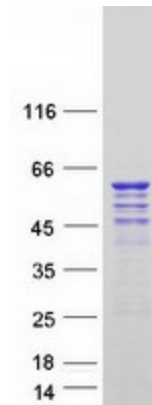
**UniProt ID:** [Q00536](#), [A0A024R183](#)

**Cytogenetics:** Xp11.3

**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]

**Protein Families:** Druggable Genome, Protein Kinase

### Product images:



Coomassie blue staining of purified CDK16 protein (Cat# [TP304962]). The protein was produced from HEK293T cells transfected with CDK16 cDNA clone (Cat# [RC204962]) using MegaTran 2.0 (Cat# [TT210002]).