

## Product datasheet for **TP324555M**

### **PCTAIRE1 (CDK16) (NM\_006201) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human PCTAIRE protein kinase 1 (PCTK1), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC224555 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDRMKKIKRQLSMTLRGGRGIDKTNGAPEQIGLDESGGGGGSDPGEAPTRAAPGELRSARGPLSSAPEIV  
HEDLKMGS DGESDQASATSSDEVQSPVRVVRMRNHPPRKISTEDINKRLSLPADIRLPEGYLEKLTLSNPI  
FDKPLSRRLRRVSLSEIGFGKLETYIKLDKLGEGTYATVYKGSKLTDNLVALKEIRLEHEEGAPCTAIR  
EVSLKDLKHANIVTLHDIIHTEKSLTLVFEYLDKDLKQYLDGCGNIINMHNKFLFLQLLRGLAYCHRQ  
KVLHRDLKPQNLLINERGELKLADFLARAKSIPTKYSNEVTLWYRPPDILLGSTDYSTQIDMWGVGC  
IFYEMATGRPLFPGSTVEEQLHFIFRILGTPTEETWPGILSNEEFKTYNYPKYRAEALLSHAPRLSDGA  
DLLTKLLQFEGRNRISAEDAMKHPFSLGERIHKLPDTSIFALKEIQLQKEASLRSSSMPDSGRPAFR  
VDTEF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	55.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_006192](#)

Locus ID: 5127

UniProt ID: [Q00536](#), [A0A140VK97](#), [Q9BRL4](#)

RefSeq Size: 3169

Cytogenetics: Xp11.3

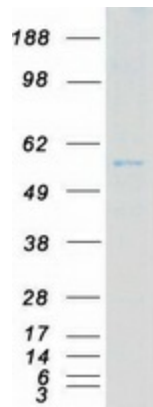
RefSeq ORF: 1488

Synonyms: PCTAIRE; PCTAIRE1; PCTGAIRE; PCTK1

**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# [TP324555]). The protein was produced from HEK293T cells transfected with CDK16 cDNA clone (Cat# [RC224555]) using MegaTran 2.0 (Cat# [TT210002]).