

Product datasheet for TP304962

PCTAIRE1 (CDK16) (NM_033018) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human PCTAIRE protein kinase 1 (PCTK1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204962 protein sequence Red =Cloning site Green =Tags(s)
	<p>MDRMKKIKRQLSMTLRGGRGIDKTNGAPEQIGLDESGGGGGSDPGEAPTRAAPGELRSARGPLSSAPEIV HEDLKMGSDESQASATSSDEVQSPVRVVRMRNHPPRKISTEDINKRLSLPADIRLPEGYLEKLTLSNPI FDKPLSRRLRRVSLSEIGFGKLETYIKLDKLGEGTYATVYKGSKLTDLNLVALKEIRLEHEEGAPCTAIR EVSLKDLKHANIVTLHDIIHTEKSLTLVFEYLDKDLKQYLDGCGNIINMHNKFLFQLLRGLAYCHRQ KVLHRDLKPQNLLINERGELKLADFLARAKSIPTKYSNEVTLWYRPPDILLGSTDYSTQIDMWGVGC IFYEMATGRPLFPGSTVEEQLHFIFRILGTPTEETWPGILSNEEFKTYNYPKYRAEALLSHAPRLSDGA DLLTKLLQFEGRNRISAEDAMKHPFSLGERIHKLPDTSIFALKEIQLQKEASLRSSSMPDSGRPAFR VVDTEF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	56.8
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	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_148978](#)

Locus ID: 5127

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

RefSeq Size: 3280

Cytogenetics: Xp11.3

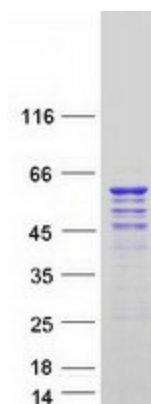
RefSeq ORF: 1488

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