

Product datasheet for TP304962M

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, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC204962 protein sequence Red=Cloning site Green=Tags(s) |

MDRMKKIKRQLSMTLRGGRGIDKTNGAPEQIGLDESGGGGGSDPGEAPTRAAPGELRSARGPLSSAPEIV
HEDLKMGS DGEDQASATSSDEVQSPVVRMRNHPPRKISTEDINKRLSLPADIRLPEGYLEKLTLSNPI
FDKPLSRRLRRVSLSEIGFGKLETYIKLDKLGEGTYATVYK GKSKLTDNLVALKEIRLEHEEGAPCTAIR
EVSLKDLKHANIVTLHDIIHTEKSLTLVFEYLDKDLKQYLD DDCGNIINMHNKFLFQLLRGLAYCHRQ
KVLHRDLKPQNLLINER GELKLADFLARAKSIPTKYSNEVVT LWYRPPDILLGSTDYSTQIDMWGVGC
IFYEMATGRPLFPGSTVEEQLHFIFRILGTPTEETWPGILSNEEFKTYNYPKYRAEALLSHAPRLSDGA
DLLTKLLQFEGRNRISAEDAMKHPFSLGERIHKLPD TTSIFALKEIQLQKEASLRSSSMPDSGRPAFR
VVDTEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| 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

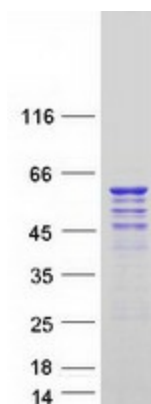
RefSeq ORF: 1488

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]).