

Product datasheet for PH324555

PCTAIRE1 (CDK16) (NM_006201) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | CDK16 MS Standard C13 and N15-labeled recombinant protein (NP_006192) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC224555 |
| Predicted MW: | 55.7 kDa |
| Protein Sequence: | >RC224555 protein sequence Red=Cloning site Green=Tags(s) |

MDRMKKIKRQLSMTLRGGRGIDKTNGAPEQIGLDESGGGGSDPGEAPTRAAPGELRSARGPLSSAPEIV
HEDLKMGSQDQASATSSDEVQSPVVRMRNHPPRKISTEDINKRLSLPADIRLPEGYLEKLTLSNPI
FDKPLSRRLRRVSLSEIGFGKLETYIKLDKLGEGTYATVYKGSKLTNDLVALKEIRLEHEEGAPCTAIR
EVSLLKDLKHANIVTLHDIHTEKSLTLVFEYLDKDLKQYLDDCGNIINMHNVKLFQLLRGLAYCHRQ
KVLHRDLKPQNLLINERGELKLADFGLARAKSIPTKYSNEVVTLYWRPPDILLGSTDYSTQIDMWGVGC
IFYEMATGRPLFPGSTVEEQLHFIFRILGTPTEETWPGILSNEEFKTYNYPKYRAEALLSHAPRLSDGA
DLLTKLLQFEGNRISAEDAMKHPFFLSLGERIHKLPDTSIFALKEIQLQKEASLRSSSMPDSGRPAFR
VVDTEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|------------------|--|
| 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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: | <u>NP_006192</u> |
| RefSeq Size: | 3169 |
| RefSeq ORF: | 1488 |



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Synonyms: PCTAIRE; PCTAIRE1; PCTGAIRE; PCTK1

Locus ID: 5127

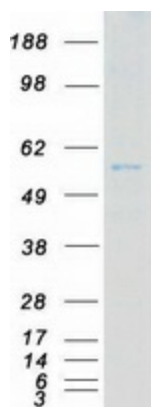
UniProt ID: [Q00536](#), [A0A140VK97](#), [Q9BRL4](#)

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