

## Recombinant Human CDK16, His-tagged

**Cat. No.** CDK16-29485TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 338-496 of Human PCTAIRE1 with N terminal His tag; 159 amino acids, 20kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	338-496 a.a.
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitute with 114 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino</b>	DYSTQIDMWGVGCIFYEMATGRPLFPGSTVEEQLHFIFRI LGTPTEETWPGILSNEE

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**acids** FKTYNYPKYRAEALLSHAPRL DSDGADLLTKLLQFEGRNRI SAEDAMKHPFFLSLGE  
RIHKLPDTSIFALKEIQLQKEASLRSSSMPSGRPAFRVVD TEF

**Sequence** Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family.  
**Similarities** CDC2/CDKX subfamily. Contains 1 protein kinase domain.

## GENE INFORMATION

**Gene Name** CDK16 cyclin-dependent kinase 16 [ Homo sapiens ]

**Official Symbol** CDK16

**Synonyms** CDK16; cyclin-dependent kinase 16; PCTAIRE protein kinase 1 , PCTK1; FLJ16665; PCTAIRE; PCTAIRE1; PCTGAIRE; serine/threonine protein kinase;

**Gene ID** 5127

**mRNA Refseq** NM\_001170460

**Protein Refseq** NP\_001163931

**MIM** 311550

**Uniprot ID** Q00536

**Chromosome Location** Xp11

**Function** ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein binding; protein kinase activity;

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