

Recombinant Human CDK16, His-tagged

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

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 338-496 of Human PCTAIRE1 with N terminal His tag; 159 amino acids, 20kDa.
Species	Human
Source	E.coli
ProteinLength	338-496 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 114 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	DYSTQIDMWGVGCIFYEMATGRPLFPGSTVEEQLHFIFRI LGTPTEETWPGILSNEE

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acids	FKTYNYPKYRAEALLSHAPRL DSDGADLLTKLLQFEGNRNISAEDAMKHPFFLSLGE RIHKLPDTSIFALKEIQLQKEASLRSSSMPDSGRPAFRVVD 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;