

Recombinant Human CDK18, GST-tagged

Cat. No. CDK18-830H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human PCKT3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	<p>PCKT3 or PCKTAIRE protein kinase 3 is a member of the cdc2/cdkx subfamily of the ser/thr family of protein kinases. PCKT3 is thought to play a role in terminally differentiated neurons and it contains an N-terminal extension relative to CDC2. PCKT3 is expressed in a variety of human cell lines and tissues. Elevation in the protein levels of PCKTAIRE 3 in the temporal cortex of Alzheimer"s disease relative to control brains, have been observed. It is proposed that PCKTAIRE 3 is a paired helical filaments-associated kinase that modulates tau phosphorylation.</p>
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~76 kDa
Purity	>75%
Applications	Western Blot

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	1yr at -70°C from date of shipment
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1ug/ul
GENE INFORMATION	
Gene Name	CDK18 cyclin-dependent kinase 18 [Homo sapiens]
Official Symbol	CDK18
Synonyms	CDK18; cyclin-dependent kinase 18; PCTAIRE protein kinase 3 , PCTK3; PCTAIRE3; PCTAIRE protein kinase 3; PCTAIRE-motif protein kinase 3; cell division protein kinase 18; serine/threonine-protein kinase PCTAIRE-3; PCTK3; PCTAIRE;
Gene ID	5129
mRNA Refseq	NM_002596
Protein Refseq	NP_002587
MIM	169190
UniProt ID	Q07002
Chromosome Location	1q31-q32
Function	ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein

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serine/threonine kinase activity; signal transducer activity;

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