

## Recombinant Human PCK2 (CDK17), GST-tagged

Cat. No. CDK17-56H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human PCK2 (CDK17) and Cyclin Y (2-end) were co-expressed by baculovirus in Sf9 insect cells using N-terminal GST tags.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	PCK2 (CDK17) or cyclin-dependent kinase 17 belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. PCK2 has similarity to a rat protein that is thought to play a role in terminally differentiated neurons. The identification of a large family of cdc2-related kinases opens the possibility of combinatorial regulation of the cell cycle together with the emerging large family of cyclins.
<b>Form</b>	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Molecular Mass</b>	PCK2 (CDK17) ~ 88 kDa and Cyclin Y ~ 64 kDa
<b>Applications</b>	Kinase Assay, Western Blot
<b>Storage</b>	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.

### GENE INFORMATION

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



<b>Gene Name</b>	CDK17 cyclin-dependent kinase 17 [ Homo sapiens ]
<b>Official Symbol</b>	CDK17
<b>Synonyms</b>	CDK17; cyclin-dependent kinase 17; PCTAIRE protein kinase 2 , PCTK2; PCTAIRE2; PCTAIRE-motif protein kinase 2; cell division protein kinase 17; protein kinase cdc2-related PCTAIRE-2; serine/threonine-protein kinase PCTAIRE-2; PCTK2;
<b>Gene ID</b>	5128
<b>mRNA Refseq</b>	NM_001170464
<b>Protein Refseq</b>	NP_001163935
<b>MIM</b>	603440
<b>UniProt ID</b>	Q00537
<b>Chromosome Location</b>	12q23.1
<b>Function</b>	ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein kinase activity;

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