

Recombinant Human PCKT2 (CDK17), GST-tagged

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

SPECIFICATION

Product Overview	Recombinant full-length human PCKT2 (CDK17) and Cyclin Y (2-end) were co-expressed by baculovirus in Sf9 insect cells using N-terminal GST tags.
Species	Human
Source	Sf9 Cells
Description	PCKT2 (CDK17) or cyclin-dependent kinase 17 belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. PCKT2 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.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	PCKT2 (CDK17) ~ 88 kDa and Cyclin Y ~ 64 kDa
Applications	Kinase Assay, Western Blot
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.

GENE INFORMATION

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Gene Name	CDK17 cyclin-dependent kinase 17 [Homo sapiens]
Official Symbol	CDK17
Synonyms	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;
Gene ID	5128
mRNA Refseq	NM_001170464
Protein Refseq	NP_001163935
MIM	603440
UniProt ID	Q00537
Chromosome Location	12q23.1
Function	ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein kinase activity;

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