

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;