

PCTK1 recombinant protein

PCTK1 (CDK16)/CyclinY, Active

CATALOG # AAA73039	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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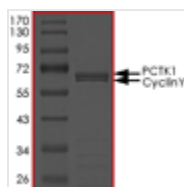
PRODUCT SYNONYMS

PCTK1; PCTK1 (CDK16)/CyclinY, Active; PCTK1 recombinant protein

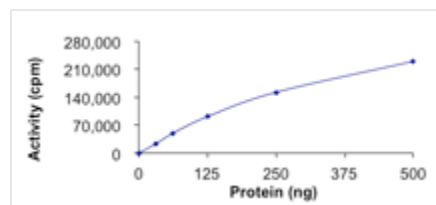
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	PCTK1 (CDK16) (107-end) and Cyclin Y (2-end)
Sequence Length	3169
Applicable Applications for PCTK1 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PCTK1 recombinant protein	Description: Recombinant human PCTK1 (CDK16) (107-end) and Cyclin Y (2-end) were co-expressed by baculovirus in Sf9 insect cells using N-terminal GST tags. Scientific Background: PCTK1 or PCTAIRE PROTEIN KINASE 1 belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. PCTK1 plays a role in signal transduction cascades in terminally differentiated cells, in exocytosis, and in transport of secretory cargo from the endoplasmic reticulum (1). PCTK1 is ubiquitously expressed with the highest levels detected in the brain and testis. PCTK1 also contained the gene coding for ubiquitin-activating enzyme UBE1 that previously shown to mapped to Xp11.3 (2).
Product Categories/Family for PCTK1 recombinant protein	Enzymes; Active Kinases

References	1. Meyerson, M. et.al: A family of human cdc2-related protein kinases. EMBO J. 11: 2909-2917, 1992. 2. Knight, J. C. et.al: Physical linkage of the cdc2-related gene (PCTK1) and the ubiquitin-activating enzyme E1 gene (UBE1) on human Xp11.3. Cytogenet. Cell Genet. 71: 155-157, 1995.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	281427156
NCBI GeneID	5127
NCBI Accession #	NM_006201.4
NCBI GenBank Nucleotide #	NM_006201
UniProt Accession #	Q00536; A8K280; B7Z7C8; J3KN74; J3KQP7
Molecular Weight	~ 66kDa; ~ 64kDa
NCBI Official Full Name	Homo sapiens cyclin dependent kinase 16 (CDK16), transcript variant 1, mRNA
NCBI Official Synonym Full Names	cyclin dependent kinase 16
NCBI Official Symbol	CDK16
NCBI Official Synonym Symbols	PCTK1; PCTAIRE; PCTAIRE1; PCTGAIRE
NCBI Protein Information	cyclin-dependent kinase 16
UniProt Protein Name	Cyclin-dependent kinase 16
UniProt Gene Name	CDK16
UniProt Synonym Gene Names	PCTAIRE1; PCTK1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cdk16-recombinant-protein-sf9-wb-western-blot-kinase-assay/73039>