

## Recombinant Human Cyclin-dependent Kinase 16, GST-His

Cat. No. CDK16-710H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CDK16, Amino acids R107-F496, mutationally activated: S153A, N-terminally fused to GST-HIS6-Thrombin cleavage site, was expressed in <i>Sf9 cells</i> . MW = 74,943 Da.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	107-496 a.a.
<b>Description</b>	The protein encoded by this gene belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. It may play a role in signal transduction cascades in terminally differentiated cells; in exocytosis; and in transport of secretory cargo from the endoplasmic reticulum. This gene is thought to escape X inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.
<b>Purification</b>	One-step affinity purification using GSH-agarose.
<b>Product Identity</b>	PCTAIRE1 was confirmed as PCTAIRE1 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
<b>Storage Buffer</b>	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.
<b>Concentration</b>	0.731 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as

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

standard protein).

**Specific Activity** 1 pmol/μg×min.

**Storage** -80°C. Avoid repeated freeze-thaw cycles!

## GENE INFORMATION

**Gene Name** [CDK16 cyclin-dependent kinase 16 \[ Homo sapiens \]](#)

**Synonyms** CDK16; cyclin-dependent kinase 16; PCKT1; PCKTARE; FLJ16665; PCKTARE1; PCKTGAIRE; cell division protein kinase 16; PCKTARE-motif protein kinase 1; serine/threonine-protein kinase PCKTARE-1; EC 2.7.11.22; PCKTARE protein kinase 1

**Gene ID** [5127](#)

**mRNA Refseq** [NM\\_001170460](#)

**Protein Refseq** [NP\\_001163931](#)

**MIM** [311550](#)

**UniProt ID** [Q00536](#)

**Chromosome Location** Xp11.3-p11.23

**Function** ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity

 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