

# Human CDK16/PCTK1/PCTAIRE1 (GST Tag) recombinant protein



Catalog Number: 501496

## General Information

### Gene Name Synonym

Cell division protein kinase 16; PCTAIRE-motif protein kinase 1; Serine/threonine-protein kinase PCTAIRE-1

### Protein Construction

A DNA sequence encoding the human PCTK1 (Q00536-1) (Met 1-Phe 496) was fused with the GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. Measured by its ability to bind biotinylated human GST-EK-YWHAH (Cat:502438) in a functional ELISA.

### Purity

> 82 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The recombinant human PCTK1/GST chimera consists of 720 amino acids and has a predicted molecular mass of 82 kDa. It migrates as an approximately 73 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 2mM GSH, 0.5mM PMSF

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

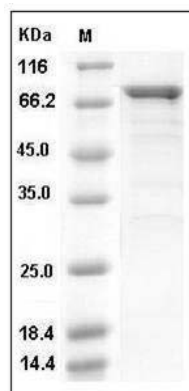
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CDK16 / PCTAIRE1 / PCTK1 Protein (GST Tag) SDS-PAGE