



Recombinant Protein Technical Manual

**Recombinant Human CDK16/PCTAIRE1/PCTK1
Protein (GST Tag)(Active)**
RPES2946

Product Data:

Product SKU: RPES2946

Size: 50µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: Q00536

Protein Information:

Molecular Mass: 82 kDa

AP Molecular Mass: 73 kDa

Tag: N-GST

Bio-activity: Measured by its ability to bind biotinylated human GST-EK-YWHAH in a functional ELISA.

Purity: > 82 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: PCTAIRE;PCTAIRE1;PCTGAIRE;PCTK1

Immunogen Information:

Sequence: Met 1-Phe 496

Background:

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.