**PCTK1 Protein**
Recombinant human protein expressed in Sf9 cells

**Catalog # P09-35G**
Lot # R169-2

**Product Description**
Recombinant human PCTK1 (107-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_006201.

**Gene Aliases**
FLJ16665; PCTAIRE; PCTAIRE1; PCTGAIRED

**Formulation**
Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.

**Storage and Stability**
Store product at –70°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.

**Scientific Background**
PCTK1 or Pctaire protein kinase 1 belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases which play a main role in signal transduction cascades in terminally differentiated cells, in exocytosis and in transport of secretory cargo from the endoplasmic reticulum. PCTK1 is ubiquitously expressed with the highest levels detected in the brain and testis (1). PCTK1 maps distal to the t(X;18) synovial sarcoma breakpoint in Xp11.23. A 420-kb YAC clone positive for PCTK1 also contained the gene coding for ubiquitin-activating enzyme UBE1 previously mapped to Xp11.3. (2). PCTK1 is thought to escape X inactivation.

**References**

**Purity**
The purity was determined to be >95% by densitometry. Approx. MW 62 kDa.

**Catalogue #**
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<thead>
<tr>
<th>Catalogue #</th>
<th>Aliquot Size</th>
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<tbody>
<tr>
<td>P09-35G-20</td>
<td>20 µg</td>
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<tr>
<td>P09-35G-50</td>
<td>50 µg</td>
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**Purity**

- **Concentration**: 0.1 µg/µl
- **Stability**: 1yr at –70°C from date of shipment
- **Storage & Shipping**: 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. Product shipped on dry ice.

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