Recombinant Human PFTK1 (CDK14)/CyclinY (N-GST tag)

Cat No:HR2R1847

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PFTK1 (CDK14)/Cyclin
Gene ID	N/A
Accession	NM_012395 , NM_145012
Alternative Name	PFTK1: CDK14; PFTAIRE1 Cyclin Y: CCNY; C10orf9; CBCP1; CCNX; CFP1
Species	Human
Source	Insect cells
Description	PFTK1 is a member of the CDC2 - related protein kinase family which is expressed primarily in the postnatal and adult nervous system . PFTK1 is expressed at high levels in brain, pancreas, kidney, heart, testis, and ovary. PFTK1 amino acid residue ser119 is required for its interaction with all four 14-3-3 isoforms, while ser120 may contribute slightly to PFTK1 binding . PFTK1 acts as a cyclin-dependent kinase that regulates cell cycle progression and cell proliferation. Overexpression of PFTK1 predicts resistance to chemotherapy in patients with oesophageal squamous cell carcinoma.
Functions	The specific activity of PFTK1 (CDK14)/CyclinY was determined to be 2.5 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	72
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	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.