

PFTK1 recombinant protein

PFTK1 (CDK14)/CyclinY, Active

CATALOG # AAA73043	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PFTK1; PFTK1 (CDK14)/CyclinY; Active; PFTK1 recombinant protein

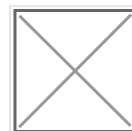
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	PFTK1 (CDK14) Full length and Cyclin Y (2-end)
Sequence Length	4970
Applicable Applications for PFTK1 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PFTK1 recombinant protein	Description: Recombinant human full-length PFTK1 (CDK14) and Cyclin Y (2-end) were co-expressed by baculovirus in Sf9 insect cells using N-terminal GST tags. Scientific Background: PFTK1 is a member of the CDC2 - related protein kinase family which is expressed primarily in the postnatal and adult nervous system (1). 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 (2). 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.
Product Categories/Family for PFTK1 recombinant protein	Enzymes; Active Kinases

References	1. Yang, T. et.al: Identification and cellular localization of human PFTAIRE1. Gene 267: 165-172, 2001. 2. Gao, Y. et.al: A Cdc2-related protein kinase hPFTAIRE1 from human brain interacting with 14-3-3 proteins. Cell Res. 16: 539-547, 2006.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	560231605
NCBI GeneID	5218
NCBI Accession #	NM_012395.3
NCBI GenBank Nucleotide #	NM_012395
Molecular Weight	~72 kDa; ~64 kDa
NCBI Official Full Name	Homo sapiens cyclin dependent kinase 14 (CDK14), transcript variant 2, mRNA
NCBI Official Synonym Full Names	cyclin dependent kinase 14
NCBI Official Symbol	CDK14
NCBI Official Synonym Symbols	PFTK1; PFTAIRE1
NCBI Protein Information	cyclin-dependent kinase 14
UniProt Protein Name	Cyclin-dependent kinase 14
UniProt Gene Name	CDK14
UniProt Synonym Gene Names	KIAA0834; PFTK1; hPFTAIRE1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdk14-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73043>