

CDK1 recombinant protein

CDK1, Unactive recombinant protein

CATALOG #
AAA72889

HOST
Sf9 insect cells

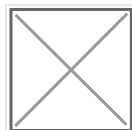
PRODUCT SYNONYMS

CDK1; Unactive recombinant protein; CDC2; CDK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>95%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Concentration	0.1 ug/ul (varies by lot)
Sequence Length	1923
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°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. Shipping: DRY ICE

IMAGES



SDS-PAGE

The purity was determined to be >95% by densitometry. Approx. MW 58kDa

ADDITIONAL INFORMATION

Related Product Information for CDK1 recombinant protein	<p>Recombinant full-length human CDK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.</p> <p>Scientific Background: CDK1 or Cell Division Control protein 1 is essential for the completion of START, the controlling event in the cell cycle that is required to initiate mitosis. CDK1 is a catalytic subunit of a protein kinase complex, called the M-Phase Promoting Factor that induces entry into mitosis and is universal among eukaryotes (1). Phosphorylation of Bcl-2 in G2/M phase-arrested cells following photodynamic therapy with hypericin involves a CDK1-mediated signal and delays the onset of apoptosis. Therapeutic potential of CDK inhibitor NU2058 in androgen-independent prostate cancer has also been demonstrated (2).</p>
Product Categories/Family for CDK1 recombinant protein	Unactive Kinase ; Signaling Proteins - Unactive Kinases

References	<p>1. Vantieghem, A. et al: Phosphorylation of Bcl-2 in G2/M phase-arrested cells following photodynamic therapy with hypericin involves a CDK1-mediated signal and delays the onset of apoptosis. J. Biol. Chem. 2002; 277(40):37718-31.</p> <p>2. Rigas, A.C. et al: Therapeutic potential of CDK inhibitor NU2058 in androgen-independent prostate cancer. Oncogene. 2007; 18.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	281427275
NCBI GeneID	983
NCBI Accession #	NP_001786
NCBI GenBank Nucleotide #	NM_001786
UniProt Accession #	P06493; O60764; A8K7C4; C9J497
Molecular Weight	~58 kDa
NCBI Official Full Name	Homo sapiens cyclin-dependent kinase 1 (CDK1), transcript variant 1, mRNA
NCBI Official Synonym Full Names	cyclin-dependent kinase 1
NCBI Official Symbol	CDK1
NCBI Official Synonym Symbols	CDC2; CDC28A; P34CDC2
NCBI Protein Information	cyclin-dependent kinase 1; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M
UniProt Protein Name	Cyclin-dependent kinase 1
UniProt Gene Name	CDK1
UniProt Synonym Gene Names	CDC2; CDC28A; CDKN1; P34CDC2; CDK1
UniProt Entry Name	CDK1_HUMAN

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/cdk1-recombinant-protein-sf9-insect-cells/72889>