

Recombinant Human CDK1/CyclinB1 (N-GST tag)

Cat No:HR2R1253

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CDK1/CyclinB1
Gene ID	N/A
Accession	NM_001786, NM_031966
Alternative Name	CDK1: CDC2 CyclinB1: CCNB1, CCNB
Species	Human
Source	Insect cells
Description	<p>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 .</p> <p>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 .</p>
Functions	The specific activity of CDK1/CyclinB1 was determined to be 14 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	58
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.