Recombinant Human CDK6/CyclinD1 (N GST/His tag)

Cat No:HR2R1263

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CDK6/CyclinD1
Gene ID	N/A
Accession	NM_001259, NM_053056
Alternative Name	CDK6: PLSTIRE, MGC59692 Cyclin D1: BCL1, PRAD1, U21B31, D11S287E
Species	Human
Source	Insect cells
Description	CDK6 is a member of the cyclin-dependent family of protein kinases that are important regulators of cell cycle progression. CDK6 activity is regulated by the D-type cyclins and members of the INK4 family of CDK inhibitors . The CDK6 kinase activity is detected in mid-G1 phase of the cell cycle and is responsible for the phosphorylation and regulation of the activity of tumor suppressor protein Rb. Although CDK6 and CDK4 can both phosphorylate multiple residues in the Rb protein, they do so with different residue selectivity in vitro; CDK6 phosphorylates Thr821 while CDK4 phosphorylates Thr826 on Rb protein .?
Functions	The specific activity of CDK6/CyclinD1 was determined to be 9.3 nmol/min/mg as per activity assay protoco
Formulation	50mM NaPhosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	40
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.