Recombinant Human CDK4/CyclinD1 (N-GST tag)

Cat No:HR2R1259

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CDK4/CyclinD1
Gene ID	N/A
Accession	NM_000075, NM_053056
Alternative Name	CDK4: CMM3; PSK-J3; MGC14458 CyclinD1: BCL1, PRAD1, U21B31, D11S287E
Species	Human
Source	Insect cells
Description	CDK4 is a member of the cyclin-dependent protein kinase family and is involved in the control of cell proliferation during the G1 phase of cell cycle. CDK4 forms a complex with the D-type cyclins and is inhibited by p16 (cyclin-dependent kinase inhibitor-2). CDK4 can mediate phosphorylation of the C-terminal region of RB protein leading to an active transcriptional repression of E2F complex . CDC37 and HSP90 can preferentially associate with the fraction of CDK4 not bound to D-type cyclins. SMAD3 is a major physiologic substrate of the G1 cyclin-dependent kinases CDK4 and CDK2 .
Functions	The specific activity of CDK4/CyclinD1 was determined to be 12 nmol/min/mgas per activity assay protocol using protein substrate Rb (773-928).
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	57
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.