Recombinant Human CDK9/CyclinK (N-GST tag)

Cat No:HR2R1266

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CDK9/CyclinK
Gene ID	N/A
Accession	NM_001261, BC015935
Alternative Name	CDC2L4, C-2k, TAK, PITALRE; CCNK, CPR4, MGC9113
Species	Human
Source	Insect cells
Description	CDK9/CyclinK is a member of the cyclin-dependent protein kinase (CDK) family. CDK9 is closely related to cdc28 and cdc2 and is an important regulator of the cell cycle . CDK9 is a component of the multiprotein complex TAK/P-TEF?. CDK9 can modulate RNA polymerase II-directed transcription by phosphorylating the C-terminal domain of the largest subunit of RNA polymerase II. CDK9 forms a complex with and is regulated by its regulatory subunit cyclin T or cyclin K. CDK9 also interacts with the HIV-1 Tat protein which suggested a possible involvement of this protein in AIDS .
Functions	The specific activity of CDK9/CyclinK was determined to be 18 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	68
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.