

Recombinant Human CDK9 Unactive protein, GST-tagged

Cat. No. CDK9-27909TH Lot. No. (See product label)

SPECIFICATION

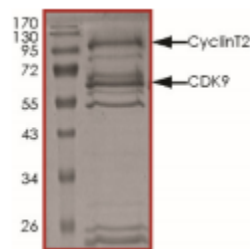
Product Overview	Recombinant full-length human CDK9 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
Description	<p>CDK9 is a member of the cyclin-dependent protein kinase (CDK) family. CDK9 is closely related to cdc28 and cdc2 and is an important regulator of the cell cycle. CDK9 is a component of the multiprotein complex TAK/P-TEFβ. 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.</p>
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Molecular Mass	68kDa
Purity	>85%
Applications	Kinase Assay; WB
Stability	1 year at -70 centigrade

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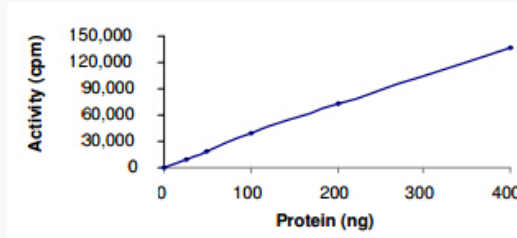
Storage	Store product at -70 centigrade
Concentration	0.2 µg/µL
GENE INFORMATION	
Gene Name	cyclin dependent kinase 9 [Homo sapiens (human)]
Official Symbol	CDK9
Synonyms	TAK; C-2k; CTK1; CDC2L4; PITALRE; CYCT2
Gene ID	1025
mRNA Refseq	NM_001261
Protein Refseq	NP_001252
MIM	603251
UniProt ID	P50750



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