

Recombinant Full Length Human CDK9 Protein, GST-tagged

Cat. No. CDK9-3165HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDK9 full-length ORF (AAH01968, 1 a.a. - 372 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	372 amino acids
Description	The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of <i>S. cerevisiae</i> cdc28, and <i>S. pombe</i> cdc2, and known as important cell cycle regulators. This kinase was found to be a component of the multiprotein complex TAK/P-TEFb, which is an elongation factor for RNA polymerase II-directed transcription and functions by phosphorylating the C-terminal domain of the largest subunit of RNA polymerase II. This protein forms a complex with and is regulated by its regulatory subunit cyclin T or cyclin K. HIV-1 Tat protein was found to interact with this protein and cyclin T, which suggested a possible involvement of this protein in AIDS. [provided by RefSeq, Jul 2008]
Molecular Mass	66.66 kDa
AA Sequence	MAKQYDSVECPFCDEVSKYEKLAKIGQGTFGEVFKARHRKTGQKVALKKVLMENEK EGFPITALREIKILQLLKHENVVNLIEICRTKASPYNRCKGSIYLVDFCFEHLAAGLLSN VLVKFTLSEIKRVMQMLLNGLYYIHRNKILHRDMKAANVLITRDGVLKLADFGLARAF

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SLAKNSQPNRYTNRVVTWYRPPPELLLGERDYGPPIDLWGAGCIMAEMWTRSPIMQ
 GNTEQHQALISQLCGSITPEVWPVNVDNYELYEKLELVKGQKRKVKDRLKAYVRDPY
 ALDLIDKLLVLDPAQRIDSDDALNHDFFWSDPMPSDLKGMLSTHLTSMFEYLAPRRR
 KGSQITQQSTNQSRNPATTNQTEFERVF

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CDK9 cyclin-dependent kinase 9 [Homo sapiens]

Official Symbol CDK9

Synonyms CDK9; cyclin-dependent kinase 9; CDC2L4, cyclin dependent kinase 9 (CDC2 related kinase); C 2k; PITALRE; TAK; CDC2-related kinase; cell division protein kinase 9; serine/threonine protein kinase PITALRE; serine/threonine-protein kinase PITALRE; cell division cycle 2-like protein kinase 4; tat-associated kinase complex catalytic subunit; C-2k; CTK1; CDC2L4;

Gene ID 1025

mRNA Refseq NM_001261

Protein Refseq NP_001252

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MIM	603251
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UniProt ID	P50750
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