

CDK9 抗原（重组蛋白）

中文名称：CDK9 抗原（重组蛋白）

英文名称：CDK9 Antigen (Recombinant Protein)

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 19-315 amino acids of human CDK9

技术规格

Full name:	cyclin-dependent kinase 9
Synonyms:	TAK, C-2k, CTK1, CDC2L4, PITALRE
Swissprot:	P50750
Gene Accession:	BC001968
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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

t with this protein and cyclin T, which suggested a possible involvement of this protein in AIDS.