

CDK9/CyclinK Recombinant Protein | CDK9 recombinant protein

CDK9/CyclinK, Active

CATALOG # AAA73358	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

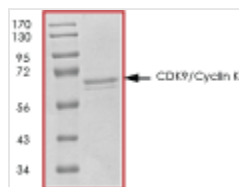
PRODUCT SYNONYMS

CDK9/CyclinK; Active; CDC2L4; C-2k; TAK; PITALRE; CCNK; CPR4; MGC9113; CDK9 recombinant protein

PRODUCT SPECIFICATIONS

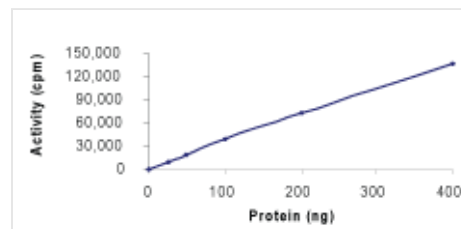
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for CDK9 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for CDK9 recombinant protein	Recombinant full-length human CDK9 and CyclinK proteins were co-expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession numbers for CDK9 and CyclinK are NM_001261 and, NM_003858, respectively. 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 (1). CDK9 is a component of the multiprotein complex TAK/P-TEFbeta. 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 (2).
Product Categories/Family for CDK9 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Ser/Thr Kinases

References	1. Yang, Z. et al: The 7SK small nuclear RNA inhibits the CDK9/cyclin T1 kinase to control transcription. Nature, 2001; 414: 317-322. 2. Bullrich, F. et al: Chromosomal mapping of members of the cdc2 family of protein kinases, cdk3, cdk6, PISSLRE, and PITALRE, and a cdk inhibitor, p27-Kip1, to regions involved in human cancer. Cancer Res. 1995; 55: 1199-1205.
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	16198507
NCBI GeneID	8812
NCBI Accession #	BC015935
NCBI GenBank Nucleotide #	NM_001261
UniProt Accession #	O75909; Q59FT6; Q86U16; Q96B63; Q9NNY9
Molecular Weight	67 kDa
NCBI Official Full Name	Homo sapiens cyclin K, mRNA
NCBI Official Synonym Full Names	cyclin K
NCBI Official Symbol	CCNK
NCBI Official Synonym Symbols	CPR4
NCBI Protein Information	cyclin-K
UniProt Protein Name	Cyclin-K
UniProt Gene Name	CCNK
UniProt Synonym Gene Names	CPR4
UniProt Entry Name	CCNK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ccnk-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73358>