

CDK9/CyclinT2 Recombinant Protein | CDK9 recombinant protein

CDK9/CyclinT2, Active

CATALOG # AAA73359	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

CDK9/CyclinT2; Active; CDK9: CDC2L4; C-2k; TAK; PITALRE CyclinT2: CCNT2; CYCT2; 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 CyclinT2 proteins were co-expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession numbers for CDK9 and CyclinT2 are NM_001261 and, NM_001241, respectively. CDK9/Cyclin T2 is a member of the cyclin-dependent protein kinase (CDK) family which are known to be important regulators of cell cycle progression. Cyclin T2 and its kinase partner CDK9 are found to be subunits of the transcription elongation factor p-TEFb. The p-TEFb complex containing this cyclin has been reported to interact with, and act as a negative regulator of human immunodeficiency virus type 1 (HIV-1) Tat protein (1). The transcription-dependent interaction of P-TEFb with 7SK may therefore contribute to an important feedback loop modulating the activity of RNA Pol II (2).
Product Categories/Family for CDK9 recombinant protein	Protein Kinases ; Cancer ; Cell Cycle ; Ser/Thr Kinases
References	1. Peng, J.et.al: Identification of multiple cyclin subunits of human P-TEFb. Genes Dev. 12: 755-762, 1998. 2. Nguyen, V. T.et.al: 7SK small nuclear RNA binds to and inhibits the activity of CDK9/cyclin T complexes.Nature 414: 322-325, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001261
Molecular Weight	~68kDa/105kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/cdk9/cyclint2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73359>