



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### CDK9 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001025-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CDK9 full-length ORF (AAH01968, 1 a.a. - 372 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAKQYDSVECPFCDEVSKYEKLAKIGQGTFGEVFKAR  
HRKTGQKVALKKVLMENEKEGFPITALREIKILQLLKHE  
NVVNLIEICRTKASPYNRCKGSIYLVDFCFEHLAAGLLS  
NVLVKFTLSEIKRVMQMLLNGLYIHRNKILHRDMKAA  
NVLITRDGVLKLAFLARAFSLAKNSQPNRYTNRVVT  
LWYRPPPELLLGERDYGPPIDLWGAGCIMAEMWTRSPI  
MQGNTEQHQLALISQLCGSITPEVWPNDNYELYEKL  
ELVKGQKRKVKDRLKAYVRDPYALDLIDKLLVLDPAQR  
IDSDALNHDFFWSDPMPSDLKGMSTHLSMFEYLA  
PPRRKGSQITQQSTNQSRNPATTNQTEFERVF

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 66.66

**Interspecies Antigen Sequence:** Mouse (99); Rat (99)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

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

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 1025

**Gene Symbol:** CDK9

**Gene Alias:** C-2k, CDC2L4, CTK1, PITALRE, TAK

**Gene Summary:** 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 *S. cerevisiae* cdc28, and *S. pombe* 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]