

Product Data Sheet

CDK9-CCNT1 Heterodimer Protein, Human (Sf9)

Cat. No.:	HY-P701376
Synonyms:	CDK9; CCNT1; Cyclin-dependent kinase 9; C-2K; Cell division cycle 2-like protein kinase 4; Cell division protein kinase 9; Serine/threonine-protein kinase PITALRE; Tat-associated kinase complex catalytic subunit; Cyclin-T1; CycT1; Cyclin-T
Species:	Human
Source:	Sf9 insect cells
Accession:	P50750 (M1-F372)&O60563 (M1-K726)
Gene ID:	1025&904
Molecular Weight:	

PROPERTIES	
Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconsititution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

transcription elongation factor b (P-TEFb), it facilitates the transition from abortive to productive elongation phosphorylating the C-terminal domain (CTD) of the large subunit of RNA polymerase II (POLR2A), SUPT5H, a complex, inactive in the 7SK small nuclear ribonucleoprotein (snRNP) complex form, engages in phosphoryla targeting EP300, MYOD1, RPB1/POLR2A, AR, and the negative elongation factors DSIF and NELFE. Beyond its transcription, CDK9-CCNK regulates cytokine-inducible transcription networks, promoting RNA synthesis in g programs for cell growth, differentiation, and viral pathogenesis. The complex also plays a critical role in cotr histone modification, mRNA processing, mRNA export, and a network of chromatin modifications. Moreover, to genome integrity maintenance, replication stress response, and cardiac myocyte enlargement. The multifa activities of CDK9-CCNK underscore its significance in governing diverse cellular functions and molecular pat
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Caution: Product has not been fully validated for medical applications. For research use only.

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