

Recombinant Human CDK9/CycT1 Complex Protein, His/GST-tagged

Cat. No. CDK9-1042H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDK9, full length, amino acids M1-F372 (as in NCBI/Protein entry NP_001252.1), N- terminal GST-HIS6 fusion protein with a Thrombin cleavage site, and human CycT1, full length, amino acids M1-K726 (as in NCBI/Protein entry NP_001231.2), N-terminal HI
Species	Human
Source	Insect Cells
ProteinLength	1-372 a.a.
Molecular Mass	Theoretical MWGST-CDK9: 72,173 Da Theoretical MWHIS-CycT1: 85,441 Da
Storage	At -80 centigrade. For complete recovery, mix well and spin before use. Product must not be stored in diluted solutions, aliquots below 10µ are not advisable. Avoid repeated freeze-thaw cycles!
Concentration	0.168 g/µ
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20 % glycerol

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Full Length
Full L.

GENE INFORMATION

Gene Name

CDK9 cyclin dependent kinase 9 [Homo sapiens (human)]

Official Symbol

CDK9

Synonyms

CDK9; cyclin dependent kinase 9; TAK; C-2k; CTK1; CDC2L4; PITALRE; cyclin-dependent kinase 9; CDC2-related kinase; cell division cycle 2-like protein kinase 4; cell division protein kinase 9; serine/threonine protein kinase PITALRE; tat-associated kinase complex catalytic subunit; EC 2.7.11.22; EC 2.7.11.23

Gene ID

1025

mRNA Refseq

NM_001261

Protein Refseq

NP_001252

MIM

603251

UniProt ID

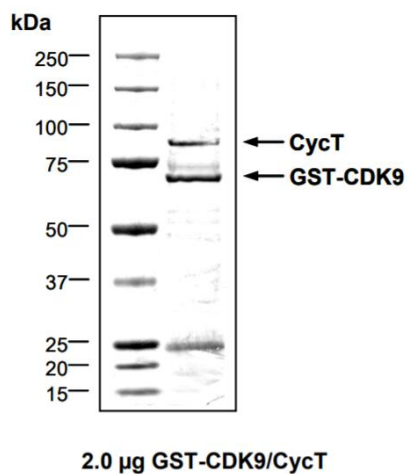
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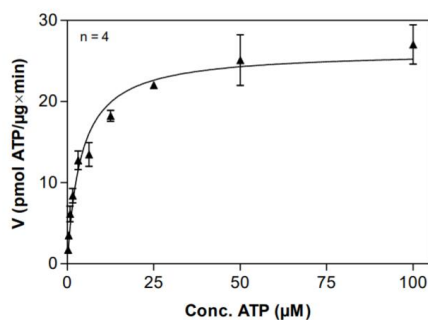
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Coomassie stain



Determination of V_{max} and K_M value for ATP



Assay conditions:

60 mM HEPES-NaOH, pH 7.5

3 mM MgCl₂

3 mM MnCl₂

3 μ M Na-orthovanadate

1.2 mM DTT

50 g/ml PEG20.000

ATP (variable)

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Substrate: RB-CTF, 200 µg/ml

Kinase: 4 µg/ml

- Filter binding assay

MSFC membrane (Millipore)

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