

CDK9/CyclinT1 recombinant protein

Recombinant CDK9/CyclinT1 protein complex

CATALOG #
AAA60416

HOST
Baculovirus

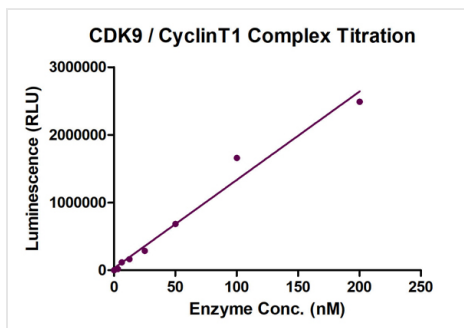
PRODUCT SYNONYMS

CDK9/CyclinT1; Recombinant CDK9/CyclinT1 protein complex; Cyclin Dependent Kinase 9; TAK; PITALRE; CDC2L4; C-2k; Cell Division Cycle 2-Like Protein Kinase 4; CTK1; CDK9/CyclinT1 recombinant protein

PRODUCT SPECIFICATIONS

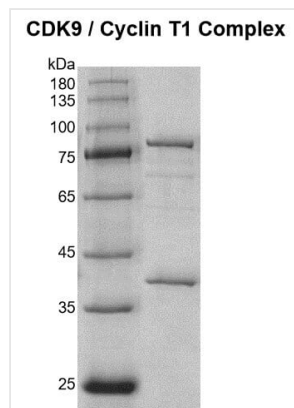
Host	Baculovirus
Form/Format	Recombinant CDK9/CyclinT1 Complex is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant CDK9/CyclinT1 Complex that includes full length human CDK9 protein (accession number NP_001252.1) without tag and full-length human Cyclin-T1 protein (accession number NP_001231.2) with an N-terminal DYKDDDDK tag was expressed in Hi5 cells. The molecular weights of CDK9 and CyclinT1 are 42.76kDa and 81.95kDa, respectively.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



Application Data

ADP-Glo assay for CDK9/CyclinT1 Complex activity 0.2 ug/ul PDKtide peptide substrate was incubated with different concentrations of CDK9/CyclinT1 Complex protein in a 10 ul reaction system containing 40 mM Tris-HCl pH 7.4, 20 mM MgCl₂, 50 uM DTT, 0.1 mg/ml BSA and 100 uM ATP for 1 hour, then add 10 ul ADP-Glo Reagent at RT for 60min. Then add 20 ul Kinase Detection Reagent incubates at RT for 60min. All the operations and reactions were performed at RT. Finally, Luminescence measurement is collected by BMG.



SDS-PAGE

Recombinant CDK9/CyclinT1 complex 10% SDS-PAGE Coomassie staining MW: CDK9: 42.76kDa, Cyclin-T1:81.95kDa Purity: >=90%

ADDITIONAL INFORMATION

Related Product Information for CDK9/CyclinT1 recombinant protein	CDK9 is a member of the CDC2-like family of kinases. Its cyclin partners are members of the CYCLIN T family (T1, T2a, and T2b) and CYCLIN K. The CDK9/CYCLIN T1 complex is very important in the differentiation programming of several cell types, including muscle cells and neurons, controlling specific differentiation pathways.
Product Categories/Family for CDK9/CyclinT1 recombinant protein	Kinase ; Transcription ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	The molecular weights of CDK9 and CyclinT1 are 42.76kDa
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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/cdk9/cyclint1-recombinant-protein-baculovirus/60416>