# Recombinant Human CDK9/CyclinT2 (N-GST tag)

**Cat No:HR2R1267**

For research use only

## Overview

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| Quantity | 10 ?g |
| Gene Symbol | CDK9/CyclinT2 |
| Gene ID | N/A |
| Accession | NM_001261 , NM_001241 |
| Alternative Name | CDK9: CDC2L4, C-2k, TAK, PITALRE CyclinT2: CCNT2; CYCT2 |
| Species | Human |
| Source | Insect cells |
| Description | 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 . The transcription-dependent interaction of P-TEFb with 7SK may therefore contribute to an important feedback loop modulating the activity of RNA Pol II . |
| Functions | The specific activity of CDK9/CyclinT2 was determined to be 6 nmol /min/mg as per activity assay protocol. |
| Formulation | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. |
| Solubility | N/A |
| Appearance | Liquid |
| Molecular Weight | 68 |
| Purity | 70% - 90% |
| Concentration | |
| Shipping Condition | Dry Ice |
| Storage Condition | Store product at ?70?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. |