Recombinant Human CDK4 Protein, GST-tagged

Cat. No. CDK4-633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CDK4 and CyclinD1 protein with a N-terminal GST-tag were expressed in Sf9 insect cells.
Species	Human
Source	Insect Cells
Description	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of S. cerevisiae cdc28 and S. pombe cdc2. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported.

GENE INFORMATION

Gene Name	CDK4 cyclin dependent kinase 4 [Homo sapiens (human)]
Official Symbol	CDK4
Synonyms	CDK4; cyclin dependent kinase 4; CMM3; PSK-J3; cyclin-dependent kinase 4; cell

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	division protein kinase 4
Gene ID	1019
mRNA Refseq	NM_000075
Protein Refseq	NP_000066
MIM	123829
UniProt ID	P11802

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