

Recombinant Human CDK4

Catalog No: #GP10278



Package Size: #GP10278-1 100ug

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Description

Product Name	Recombinant Human CDK4
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-303 amino acids of human CDK4
Target Name	cyclin dependent kinase 4
Other Names	CMM3; PSK-J3
Accession No.	Swissprot:P11802Gene Accession:BC003644
Uniprot	P11802
GeneID	1019;
Storage	-20~-80°C, pH 7.6 PBS

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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