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CDK-4 Human

Catalog #:PKPS-332

For research use only.

Description: Cyclin-Dependent Kinase 4 Human Recombinant is expressed in E. coli as a full-length protein having a molecular weight of 38 kDa fused to an amino terminal hexahistidine tag. The CDK4 is purified by proprietary chromatographic techniques.

Synonyms: Cell division protein kinase 4, CDK4, EC 2.7.11.22, Cyclin-dependent kinase 4, PSK-J3, CMM3,CDK-4, MGC14458.

Source: Escherichia Coli.

Purity: Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.

Formulation:
CDK4 is supplied in 10mM Bis-Tris Propane pH9.0 and 50% Glycerol.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:
CDK-4 can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments. The biological activity of this product has not yet been tested.

Introduction:
Cyclin-dependent kinase 4 combines with the protein cyclin D to form a protein complex that promotes the passage of cells throµgh the G1 checkpoint in the cell growth cycle. This cellular activity is regulated by the protein p16 produced by p16INK4a. Normally, p16 controls cell growth by inhibiting the activity of the CDK4cyclin D complex and stopping cells at the G1 checkpoint.

Storage:
Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

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