

32-2963: CDK4 Recombinant Protein

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

Description

Source : Escherichia Coli. 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. Cyclin-dependent kinase 4 combines with the protein cyclin D to form a protein complex that promotes the passage of cells through 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 CDK4-cyclin D complex and stopping cells at the G1 checkpoint.

Product Info

Amount : 10 µg
Purification : Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.
Content : CDK4 is supplied in 10mM Bis-Tris Propane pH9.0 and 50% Glycerol.
Storage condition : 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.