



Product Datasheet

Product Name	Cyclin-Dependent Kinase 4 Human Recombinant
Cata No	CB500881
Source	Escherichia Coli.
Synonyms	Cell division protein kinase 4, CDK4, EC 2.7.11.22, Cyclin-dependent kinase 4, PSK-J3, CMM3,CDK-4, MGC14458.

Description

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.

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

Purity

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

Formulation

CDK4 is supplied in 10mM Tris-HCl (pH 8), 250mM NaCl, 0.5mM DTT, 1.5mM Cysteine, and 50% Glycerol.

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.