
Cyclin-dependent kinase 4

Human, Recombinant, *E. coli*

Cat. No.: RCP9233

Size: 10µg

Synonym:

CDK4

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 p16^{INK4a}. Normally, p16 controls cell growth by inhibiting the activity of the CDK4–cyclin D complex and stopping cells at the G1 checkpoint.

RANDOX recombinant CDK4 comprises a 303 amino acid fragment (1-303) corresponding to the mature CDK4 protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form:

Liquid.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1%(w/v) SDS, 0.1%(w/v) Bromophenol Blue, 2.5% Glycerol).

Purity:

Single band on Western blot.

References:

Wölfel T. *et al.* (1995) *Science* **269**: 1281-84.