32-2961: CDK2 Recombinant Protein

Alternative Name : Cyclin-Dependent Kinase 2,Cell Division Protein Kinase 2,P33 Protein Kinase,EC 2.7.11.22,CDKN2,Cdc2-Related Protein Kinase,P33(CDK2), EC 2.7.11,Cyclin-dependent kinase 2.

Description

Source : Sf9, Baculovirus cells. CDK2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 306 amino acids (1-298a.a.) and having a molecular mass of 34.9kDa. CDK2 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques. Cyclin-dependent kinase 2 (CDK2) belongs the Ser/Thr protein kinase family. CDK2 is highly parallel to the gene products of S. cerevisiae cdc28, and S. pombe cdc2. CDK2 is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is limited to the G1-S phase, and is vital for cell cycle G1/S phase transition. The CDK2 protein associates with and is regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). CDK2 activity is also regulated by protein phosphorylation.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CDK2 protein solution (0. 5mg/ml) contains Phosphate buffered saline (pH7.4), 30% glycerol, 2mM DTT and 0.1mM PMSF.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MENFQKVEKI GEGTYGVVYK ARNKLTGEVV ALKKIRLDTE TEGVPSTAIREISLLKELNH PNIVKLLDVI HTENKLYLVF EFLHQDLKKF MDASALTGIP LPLIKSYLFQ LLQGLAFCHSHRVLHRDLKP QNLLINTEGA IKLADFGLAR AFGVPVRTYT HEVVTLWYRA PEILLGCKYYSTAVDIWSLG CIFAEMVTRR ALFPGDSEID QLFRIFRTLG TPDEVVWPGVTSMPDYKPSF PKWARQDFSK VVPPLDEDGR SLLSQMLHYD PNKRISAKAA LAHPFFQDVT KPVPHLRLLEHHHHHH.