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## 32-6959: CDK1 Human

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| **Alternative Name :** | Cyclin-Dependent Kinase 1, CDC2, Cell Division Cycle 2, G1 To S And G2 To M, Cell Division Control Protein 2 Homolog, Cell Division Protein Kinase 1, P34 Protein Kinase, P34CDC2, CDC28A, Cell Cycle Controller CDC2, EC 2.7.11.22, EC 2.7.11.23, CDKN1, Cyclin-dependent kinase 1, CDK1. |

## Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
Cyclin-dependent kinase 1 (CDK1) plays a significant part in the control of the eukaryotic cell cycle through modulating the centrosome cycle in addition to mitotic onset; CDK1 promotes G2-M transition and regulates G1 progress and G1-S transition using association with multiple interphase cyclins. CDK1 is essential in higher cells for the entry into S-phase and mitosis.
CDK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 317 amino acids (1-297 a.a) and having a molecular mass of 36.2kDa. CDK1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 5 µg / 20 µg |
| **Purification :** | Greater than 85.0% as determined by SDS-PAGE. |
| **Content :** | CDK1 protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol. |
| **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 :** | MGSSHHHHHH SSGLVPRGSH MEDYTKIEKI GEGTYGVVYK GRHKTTGQVV AMKKIRLESE EEGVPSTAIR EISLLKELRH PNIVSLQDVL MQDSRLYLIF EFLSMDLKKY LDSIPPGQYM DSSLVKSYLY QILQGIVFCH SRRVLHRDLK PQNLLIDDKG TIKLADFGLA RAFGIPIRVY THEVVTLWYR SPEVLLGSAR YSTPVDIWSI GTIFAELATK KPLFHGDSEI DQLFRIFRAL GTPNNEVWPE VESLQDYKNT FPKWKPGSLA SHVKNLDENG LDLLSKMLIY DPAKRISGKM ALNHPYFNDL DNQIKKM. |