

## 32-2967: CDKN1B Recombinant Protein

**Alternative Name :** Cyclin-dependent kinase inhibitor 1B,Cyclin-dependent kinase inhibitor p27,p27Kip1,CDKN1B,KIP1,MEN4,CDKN4,MEN1B.

### Description

Source : Escherichia Coli. CDKN1B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 218 amino acids (1-198 a.a.) and having a molecular mass of 24.2kDa (Molecular weight on SDS-PAGE will appear higher).CDKN1B is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cyclin-dependent kinase inhibitor 1B (CDKN1B) is a member of the Cip/Kip family of cyclin dependent kinase (Cdk) inhibitor proteins. The CDKN1B protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and so controls the cell cycle progression at G1. CDKN1B is often referred to as a cell cycle inhibitor protein since its major function is to stop or slow down the cell division cycle. The degradation of the CDKN1B protein, which is triggered by its CDK dependent phosphorylation and ensuing ubiquitination by SCF complexes, is compulsory for the cellular transition from inactive to the proliferative state.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** CDKN1B protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 20% 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 SSSLVPRGSH MSNVRVSNGL PSLERMDARQ AEHPKPSACR NLFGPVDHEE  
LTRDLEKHCR DMEEASQRKW NFDQNHKPL EGKYEWEVE KGSLPEFYR PPRPPKGACK  
VPAQESQDVS GSRPAAPLIG APANSEDTLH VDPKTDPSDS QTGLAEQCAG IRKRPATDDS STQNKRANRT  
EENVSDGSPN AGSVEQTPKK PGLRRRQT.