

## 32-7266: Recombinant Human Cyclin-Dependent Kinase Inhibitor 1B/CDKN1B (N-6His)(Discontinued)

**Gene :** CDKN1B  
**Gene ID :** 1027  
**Uniprot ID :** P46527

### Description

Source: E.coli.

MW :24.2kD.

Recombinant Human Cyclin-Dependent Kinase Inhibitor 1B is produced by our E.coli expression system and the target gene encoding Met1-Thr198 is expressed with a 6His tag at the N-terminus. Cyclin-Dependent Kinase Inhibitor 1B (CDKN1B) is a Kinesin-related motor protein necessary for mitotic spindle assembly and chromosome segregation. CDKN1B is expressed in all tissues with highest levels observed in skeletal muscle. CDKN1B is a potent inhibitor of Cyclin E- and Cyclin A-CDK2 complexes. CDKN1B forms a complex with Cyclin Type D-CDK4 complexes and is involved in the assembly, stability, and modulation of CCND1-CDK4 complex activation. In addition, CDKN1B acts as an inhibitor or an activator of Cyclin Type D-CDK4 complexes depending on its phosphorylation state and stoichiometry.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMSNVRVSNNGSPSLERMDARQAEHPKPSACRNLFPGVDHEELTRDLEKHCRD MEEASQRKWNFDFQNHKPLEGKYEWQEVEKGSLEPEFYRPPRPPKGACKVPAQESQDGSRSRPAAPLIGAPA NSEDTHLVDPKTDPDSQTLAEQCAGIRKRPATDDSSSTQNKRANRTEENVSDGSPNAGSVEQTPKKPGLRR RQT

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.