

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 : MGSSHHHHHHSSGLVPRGSHMSNVRVSNNGSPSLERMDARQAEHPKPSACRNLFGPVDHEELTRDLEKHCRD
MEEASQRKWNFDFQNHKPLEGKYEWQEVEKGSLEFYRPPRPPKGACKVPAQESQDGSGRPAAPLIGAPA
NSEDTHLVDPKTDPSDSQTGLAEQCAGIRKRPATDDSSQNKRANRTEENVSDGSPNAGSVEQTPKKPGLRR
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 ddH₂O. 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.