



Recombinant Human Cyclin-Dependent Kinase Inhibitor 1B/CDKN1B Protein(N-6His)

Cat.NO.: TP05814

3th Edition

Synonyms:Cyclin-Dependent Kinase Inhibitor 1B; Cyclin-Dependent Kinase Inhibitor p27; p27Kip1; CDKN1B; KIP1

Description: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.

Form:PBS

Molecular Weight:24.2 kDa

Sequences:Met 1-Thr198

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.