

CDKN1A, 1-164aa , Human, His tag, E.coli

Cat.NO.: TP01564

3th Edition

Synonyms:Cyclin-dependent kinase inhibitor 1A, P21, CIP1, SDI1, WAF1, CAP20, CDKN1, MDA-6, p21CIP1.

Description:CDKN1A, also known as P21 or WAF1, plays a critical role in the cellular response to DNA damage, and its overexpression results in cell cycle arrest. In association with CDK2 complexes, it serves to inhibit kinase activity and block progression through G1/S.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 10% glycerol, 0.1M NaCl

Molecular Weight:20.2 kDa (184aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMSEPAGDVRQNPCGSKACRRLFGPVDSEQLSRDCDALMAGCIQEARERWNFDF
VTETPLEGDFAWERVRLGLPLKLYLPTGPRRGRDELGGGRRPGTSPALLQGTAEEDHVDLSLSCTLVPRSGEQAE
GSPGGPGDSQGRKRRQTSMTDFYHSKRRLIFSKRKP

Purity:> 95% by HPLC

Concentration:0.5 mg/ml

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.