

Cyclin-Dependent Kinase Inhibitor 1A Human Recombinant

Item Number	rAP-1681
Synonyms	Cyclin-Dependent Kinase Inhibitor 1A (P21, Cip1), Melanoma Differentiation Associated Protein 6, Wild-Type P53-Activated Fragment 1, CDK-Interaction Protein 1, DNA Synthesis Inhibitor, CDK-Interacting Protein 1, CDKN1, P21Cip1/Waf1, MDA6, P21CIP1, CAP20,
Description	CDKN1A Human Recombinant produced in E. coli is a single polypeptide chain containing 184 amino acids (1-164) and having a molecular mass of 20.2 kDa. CDKN1A is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P38936
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSEPAGDVRQ NPCGSKACRR LFGPVDSEQL SRDCDALMAG CIQEARERWN FDFVTETPLE GDFAWERVGR LGLPKLYLPT GPRRGRDELG GGRRPGTSPA LLQG- TAEEDH VDSL SCTLV PRSGEQAEGS PGGPGDSQGR KRRQTSMTDF YHSKRRLIFS KRKP.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The CDKN1A solution contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 0.1M NaCl and 10% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**