

Recombinant Human CDKN1A protein, His-tagged

Cat. No. CDKN1A-4212H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDKN1A protein(54-170 aa), fused with N-terminal His tag, was expressed in E. coli.
ProteinLength	54-170 aa
Tag	N-His
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.
AA Sequence	VTETPLEGDFAWERVRLGLPKLYLPTGPRRGRDELGGGRRPGTSPALLQGTAEE DHVDLSLSCTLVPRSGEQAEGSPGGPGDSQGRKRRQTSMTDFYHSKRRLIFSKRK P

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GENE INFORMATION**Gene Name** [CDKN1A cyclin-dependent kinase inhibitor 1A \(p21, Cip1\) \[Homo sapiens \]](#)**Official Symbol** [CDKN1A](#)**Synonyms** [CDKN1A](#); cyclin-dependent kinase inhibitor 1A (p21, Cip1); [CDKN1](#); cyclin-dependent kinase inhibitor 1; [CAP20](#); [CIP1](#); [P21](#); [p21CIP1](#); [p21Cip1/Waf1](#); [SDI1](#); [WAF1](#); DNA synthesis inhibitor; CDK-interacting protein 1; CDK-interaction protein 1; wild-type p53-activated fragment 1; melanoma differentiation associated protein 6; [MDA-6](#);**Gene ID** [1026](#)**mRNA Refseq** [NM_000389](#)**Protein Refseq** [NP_000380](#)**MIM** [116899](#)**UniProt ID** [P38936](#) Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA



SDS-PAGE



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