

## Recombinant Human CDKN1A Protein

Catalog #	Source	Reactivity	Applications
CRP1275	E. coli	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human CDKN1A Protein is produced by our E. coli expression system and the target gene encoding Ser2-Pro164 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
<b>Gene Symbol</b>	CDKN1A		
<b>Alternative Names</b>	CAP20; CDKN1; CIP1; MDA6; PIC1; SDI1; WAF1; Cyclin-dependent kinase inhibitor 1; CDK-interacting protein 1; Melanoma differentiation-associated protein 6; MDA-6; p21		
<b>Entrez Gene</b>	1026 (Human)		
<b>SwissProt</b>	P38936 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	SEPAGDVRQN PCGSKACRRL FGPVDSEQLR RDCDALMAGC IQEARERWNF DFVTETPLEG DFAWERVRGL GLPKLYLPTG PRRGRDELGG GRRPGTSPAL LQGTAEDHV DLSLSCTLPV RSGEQAEGSP GPGGDSQGRK RRQTSMTDFY HSKRRLIFSK RKPLeHHHHH H		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
<b>Directions for Use</b>	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 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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