

CDKN2A

Recombinant Human Cyclin-Dependent Kinase Inhibitor 2A / P16-INK4a

Catalog No.	CSI20112A CSI20112B CSI20112C	Quantity:	10 µg 50 µg 1.0 mg
Alternate Names:	ARF, MLM, P14, P16, P19, CMM2, INK4, MTS1, TP16, CDK4I, CDKN2, INK4A, MTS-1, P14ARF, P19ARF, P16INK4, P16INK4A, P16-INK4A, CDKN2A		
Description:	<p>Cyclin-dependent kinase inhibitors (CDKIs) are proteins that bind to and inhibit the activity of CDKs. Two major classes of CDK inhibitors have been identified. The p16 family (p15, p16, p18 and p19) binds to and inhibits the activities of CDK4 and CDK6. The p21 family (p21, p27, p28 and p57) can bind to broad range of CDK-cyclin complexes and inhibit their activities. CDKIs are capable of suppressing growth, and several lines of evidence strongly suggest that at least some CDKIs may be tumor suppressor proteins.</p> <p>Recombinant Human Cyclin-Dependent Kinase Inhibitor 2A (P16-INK4a) is a single non-glycosylated polypeptide chain containing 156 amino acids.</p>		
Gene ID:	1029		
Source:	<i>E. coli</i>		
Molecular Weight:	16.5 kDa		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution of PBS, pH 7.4.		
Purity:	>95% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	< 0.1 ng/µg		
Amino Acid Sequence:	MEPAAGSSME PSADWLATAA ARGVVEEVRA LLEAGALPNA PNSYGRRPIQ VMMMGSARVA ELLLLHGAEP NCADPATLTR PVHDAAREGF LDTLVVLHRA GARLDVRDAW GRLPVDLAE E LGHRDVARYL RAAAGGTRGS NHARIDAAEG PSDIPD		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	Stable at 2-4°C, but best kept desiccated at -20°C. Upon reconstitution, stable for up to 1 week at 2-4°C. For longer term, store in working aliquots at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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