

CDKN2A

Recombinant Human p16-INK4a-TAT

Catalog No.	CS524A	Quantity:	10 µg
	CS524B		50 µg
	CS524C		1 mg

Alternate Names: Cyclin-dependent kinase inhibitor 2A, CDK4 inhibitor p16-INK4, CDK4I

Description: 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 uppressor proteins.
Recombinant Human p16-INK4a-TAT is a single non-glycosylated polypeptide chain containing 167 amino acids.

Gene ID: 1029

Source: *E. coli*

Molecular Weight: 18.0 kDa

Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 2 × PBS, pH 7.0.

Purity: >95% by SDS-PAGE and HPLC analyses.

Endotoxin Level: <1 EU/µg as determined by LAL method.

Biological Activity: Data not available.

Amino Acid Sequence: EPAAGSSMEP SADWLATAAA RGRVEEVRL LEAGALPNAP NSYGRRPIQV
MMMG SARVAE LLLLHGAEPN CADPATLTRP VHDAAREGFL DTLVVLHRAG
ARLDVRDAWG RLPVDLAEEL GHRDVARYLR AAAGGTRGSN HARIDAAEGP
SDIPDGYGRK KRRQRRR

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: The lyophilized protein is stable at 2-8°C. Upon receipt, store desiccated at -20°C. After reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. For long term storage of reconstituted protein, it is recommended that a carrier protein such as 0.1% BSA or HSA be added. This depends on the particular application.
Avoid repeated freeze/thaw cycles.

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