

## Cyclin-Dependent Kinase Inhibitor 2A Human Recombinant, TAT

<b>Item Number</b>	rAP-0925
<b>Synonyms</b>	Cyclin-dependent kinase 4 inhibitor A, CDK4I, p16-INK4, p16-INK4a, p16INK4A, CDKN-2A, CDKN2, Multiple tumor suppressor 1, MTS1, CMM2, MLM, TP16, p16(INK4), p19.
<b>Description</b>	p16-INK4a Human Recombinant is a single, non-glycosylated, polypeptide chain produced in E.coli, containing a total of 168 amino acids, which includes the 156 residues of full-length p16-INK4a and a 13-residue C-terminal TAT peptide (GGYGRKKRRQRRR), having a total Mw of 18kDa. p16-INK4a is purified
<b>Uniprot Accession Number</b>	P42771
<b>Amino Acid Sequence</b>	EPAAGSSMEP SADWLATAAA RGRVEEVRL LEAGALPNAP NSYGRRPQIV MMMGSARVAE LLLLHGAEPN CADPATLTRP VHDAAREGFL DTLVVLHRAG ARLDVRDAWG RLPVDLAEEL GHRDVARYLR AAAGGTRGSN HARIDAAEGP SDIPDGGYGR KKRRQRRR.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized p16-INK4a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution p16-INK4a should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized p16-INK4a in sterile 18M <sup>2</sup> -cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**