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DATA SHEET

Cyclin-Dependent Kinase Inhibitor 2A Human Recombinant

Item Number	rAP-0926
Synonyms	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.
Description	CDKN2A Human Recombinant produced in E.Coli, it's a single non-glycosylated polypeptide chain containing 156 amino acids, approximately 16.5 kDa.CDKN2A is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P42771
Amino Acid Sequence	MEPAAGSSMEPSADWLATAAARGRVEEVRALLEAGALPNAPNSYGRRPIQVMMMGSARVAELLLLHGAEPNCADPATLTRPVHDAAREGFLDTLVVLHRAGARLDVRDAWGRLPVDLAEELGHRDVARYLRAAAGGTRGSNHARIDAAEGPSDIPD.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Cyclin-dependent kinase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Cyclin-dependent kinase 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.
Formulation and Purity	CDKN2A was lyophilized from a concentrated (1mg/ml) sterile solution containing 1x PBS pH-7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Cyclin-dependent kinase in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	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

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