
Product Data Sheet

Product Name: CCNA2 Human
 Cat. No.: GP22433
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cyclin-A2; Cyclin-A; CCNA2; CCN1; CCNA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLGNSA PGPATREAGS ALLALQQTAL QEDQENINPE KAAPVQQPRT RAALAVLKSG NPRGLAQQQR PKTRRVAPLK DLPVNDEHVT VPPWKANSKQ PAFTIHVDEA EKEAQKKPAE SQKIEREDAL AFNSAISLPG PRKPLVPLDY PMDGSFESPHTMDMSIVLED EKPVSVNEVP DYHEDIHTYL REMEVKCKPK VGYMKKQPDI TNSMRAILVD WLVEVGEEYK LQNETLHLAV NYIDRFLSSM SVLRGKLQLV GTAAMLLASK FEEIYPPEVA EFVYITDDTY TKKQVLRMEH LVLKVLTFDL AAPTVMNQFLT QYFLHQQPAN CKVESLAMFLGELSLIDADP YLKYLPSVIA GAAFHLALYT VTGQSWPESL IRKTGYTLES LKPCMLDLHQ TYLKAPQHAQ QSIREKYKNS KYHGVSLNLP PETLNL.		
Formulation	CCNA2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.15M NaCl and 1mM DTT.		

Introduction

CCNA2 is a member of the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins act as regulators of CDK kinases. Various cyclins demonstrate distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. Contrary to cyclin A1, which is present only in germ cells, CCNA2 is expressed in all tissues tested. CCNA2 binds and activates CDC2 or CDK2 kinases, and consequently promotes both cell cycle G1/S and G2/M transitions.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CCNA2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 456 amino acids (1-432 a.a) and having a molecular mass of 51.1kDa. CCNA2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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