

## CCNA2 Human

**Description:**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.

Catalog #:PKPS-040

For research use only.

**Synonyms:**Cyclin-A2, Cyclin-A, CCNA2, CCN1, CCNA.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear colorless solution.

**Amino Acid Sequence:**MGSSHHHHH SSGLVPRGSH MGSMLGNSA PGPATREAGS  
ALLALQQTAL QEDQENINPE KAAPVQQPRT RAALAVLKSG NPRGLAQQQR PKTRRVAPLK  
DLPVNDEHVT VPPWKANSKQ PAFTIHVDEA EKEAQKPAE SQKIEREDAL AFNSAISLPG  
PRKPLVPLDY PMDGSFESPHTMDMSIVLED EKPVSVNEVP DYHEDIHTYL REMEVKCKPK  
VGYMKKQPDITNS

**Purity:**Greater than 90% as determined by SDS-PAGE.

**Formulation:**

CCNA2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.15M NaCl and 1mM DTT.

**Stability:**

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

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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