

Datasheet for ABIN6699735
Cyclin A Protein (GST tag)



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Overview

Quantity:	20 µg
Target:	Cyclin A (CCNA2)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cyclin A protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	CyclinA2 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human CyclinA2 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >75% by densitometry.
Purity:	>75%

Target Details

Target:	Cyclin A (CCNA2)
Alternative Name:	CCNA2 (CCNA2 Products)
Background:	Synonyms: CCNA2, CCN1, CCNA, Cyclin-A2, Cyclin-A Background: CyclinA2 belongs to the highly conserved cyclin family whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle and function

Target Details

as regulators of CDKs. CyclinA2 is an essential component of all embryonic and somatic cell cycles in mammals (1). CyclinA2 is highly expressed in the testis and certain myeloid leukemia cells (2). Cyclin A also plays a major role in the control of DNA replication (3). CyclinA2 binds and activates CDC2 or CDK2 and thus promotes both cell cycle G1/S and G2/M transitions. CyclinA2 Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Cancer, and Cell Cycle research.

NCBI Accession: [NM_001237](#)

Pathways: [PI3K-Akt Signaling](#), [Cell Division Cycle](#), [AMPK Signaling](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [M Phase](#), [Synthesis of DNA](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: CyclinA2 Protein is suitable for use in Western Blot. Expect a band approximately ~ 78 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: CyclinA2 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months