



# Recombinant Human Cyclin-A2 (CCNA2)

<b>Product Code</b>	CSB-EP004805HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P20248
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MLGNSAPGPA TREAGSALLA LQQTALQEDQ ENINPEKAAP VQQPRTRAAL AVLKSGNPRG LAQQRPKTR RVAPLKDLPV NDEHVTVPW KANSKQPAFT IHVDEAEKEA QKKPAESQKI EREDALAFNS AISLPGPRKP LVPLDYPMDG SFESPHTMDM SIILEDEKPV SVNEVPDYHE DIHTYLREME VKCKPKVGYM KKQPDITNSM RAILVDWLVE VGEEYKLQNE TLHLAVNYID RFLSSMSVLR GKLQLVGTA MLLASKFEEI YPPEVAEFVY ITDDTYTKKQ VLRMEHLVLK VLTFDLAAPT VNQFLTQYFL HQQPANCKVE SLAMFLGELS LIDADPYLKY LPSVIAGAAF HLALYTVTGQ SWPESLIRKT GYTLESKPC LMDLHQTYLK APQHAQQSIR EKYKNSKYHG VSLNPPETL NL
<b>Source</b>	E.coli
<b>Target Names</b>	CCNA2
<b>Protein Names</b>	Recommended name: Cyclin-A2 Short name= Cyclin-A
<b>Expression Region</b>	1-432
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This protein belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. This cyclin binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.