



# Recombinant Bovine G1/S-specific cyclin-E2 (CCNE2)

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| <b>Product Code</b>      | CSB-MP704834BO  |
| <b>Abbreviation</b>      | CCNE2   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |
| <b>Uniprot No.</b>       | Q5E9K7  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Bos taurus (Bovine)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MSRRSSRLQA KQQPQASQTD SPQEAQIIQA KKRKTAQDVK KRKEEVTKKH<br>QYEIRNCWPP VLSGGISPCI IIETPHKEIG TSDFSRFTNY RFKNLFINPS<br>PLPDLSWGCS QDVWLNMLKK ETRYVHDKHF EVLHSELEPQ MRSILLDWLL<br>EVCEVYTLHR ETFYLAQDFF DRFMLTQKDI NKNMLQLIGI TSLFIASKLE<br>EYAPKLQEF AYVTDGACSE EDILRMELAI LKALKWELCP VTVISWLNLF<br>LQVDALKDAP KVLLPQYSQE KFIQIAQLLD LCILAIDSLE FQYRILAAAA<br>LCHFTSIEVV KKASGLEWDN ISECVDWMVP FVSVVKSTSP AKLKIFKKIS<br>MEDRHNIQTH TNYLAMLDEV NYVNTFRKEG QLSPVCNGGI MTPPKSTTEK<br>PGKH   |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | CCNE2   |
| <b>Protein Names</b>     | Recommended name: G1/S-specific cyclin-E2   |
| <b>Expression Region</b> | 1-404   |
| <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. This cyclin forms a complex with and functions as a regulatory subunit of CDK2. This cyclin has been shown to specifically interact with CIP/KIP family of CDK inhibitors, and plays a role in cell cycle G1/S transition. The expression of this gene peaks at the G1-S phase and exhibits a pattern of tissue specificity distinct from that of cyclin E1. A significantly increased expression level of this gene was observed in tumor- |



derived cells.

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**Reconstitution**

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.

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