

## Recombinant Chicken G1/S-Specific Cyclin-D2 (CCND2)

**Cat. No.:** AP4C672

**Product Type:** Animal Proteins

**Size:** 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Chicken G1/S-Specific Cyclin-D2 (CCND2) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 33.2 kDa. The purity is >85% (SDS-PAGE).

### Specifications

|                            |                                         |
|----------------------------|-----------------------------------------|
| Type                       | Recombinant Protein                     |
| Species                    | Chicken                                 |
| Expression System          | <i>E.coli</i>                           |
| Purity                     | >85% (SDS-PAGE)                         |
| Predicted Molecular Weight | 33.2 kDa                                |
| Physical State             | Lyophilized                             |
| Formulation                | Tris/PBS-based buffer, 5%-50% glycerol. |

### Target Information

Chicken G1/S-Specific Cyclin-D2 (CCND2) is a key regulator of the cell cycle, specifically involved in the G1/S phase transition. It functions as a regulatory subunit of the cyclin-dependent kinases 4 and 6 (CDK4/6), promoting cell cycle progression and cell proliferation. In chickens, CCND2 is highly expressed in tissues with high metabolic activity, such as the liver and muscles, where it plays a crucial role in maintaining cellular homeostasis. Abnormal expression of CCND2 has been implicated in various cancers, where it can act as either an oncogene or a tumor suppressor, depending on the context. For instance, CCND2 overexpression has been shown to inhibit cancer cell growth in some studies, while in others, it promotes tumor proliferation and metastasis. Further research is needed to elucidate the precise mechanisms and therapeutic potential of CCND2 in different pathological conditions.

|                 |                                         |
|-----------------|-----------------------------------------|
| Protein         | Chicken G1/S-Specific Cyclin-D2 (CCND2) |
| Protein Synonym | CCND2                                   |
| Gene ID         | <a href="#">374047</a>                  |
| EC No.          | <a href="#">P49706</a>                  |

## Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.