

## CDK2/CyclinO Recombinant Protein | CDK2 recombinant protein

CDK2/CyclinO, Active

|                              |                                                   |                                     |
|------------------------------|---------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA72968</b> | HOST<br><b>Sf9 insect cells using baculovirus</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|---------------------------------------------------|-------------------------------------|

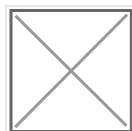
### PRODUCT SYNONYMS

CDK2/CyclinO; Active; CDK2 recombinant protein

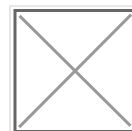
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | Sf9 insect cells using baculovirus                                                                                                                                                                                                                   |
| Form/Format                                          | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.                                                                                                                                               |
| Sequence Positions                                   | Full Length                                                                                                                                                                                                                                          |
| Sequence Length                                      | 2301                                                                                                                                                                                                                                                 |
| Applicable Applications for CDK2 recombinant protein | WB (Western Blot), Kinase Assay                                                                                                                                                                                                                      |
| Species                                              | Human                                                                                                                                                                                                                                                |
| Tag                                                  | GST tag                                                                                                                                                                                                                                              |
| Dry Ice Note                                         | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                                                                                                                                   |
| Preparation and Storage                              | Store product at -70 degree C.<br>For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature.<br>For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |

### IMAGES



Application Data



Application Data

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for CDK2 recombinant protein | <p>Description: Recombinant full-length human CDK2/Cyclin O was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.</p> <p>Scientific Background: CDK2/CyclinO is a member of the cyclin dependent protein kinase family complexed to CyclinO. CyclinO was used as a specific protein isoform name for the UNG gene which is localized exclusively in the nucleus. In addition, CyclinO was reported to shows significant uracil-DNA glycosylase activity (1). CDK2/CyclinO protein levels increase during G1 phase and the protein is turned over during the course of cell cycle (2).</p> |
| Product Categories/Family for CDK2 recombinant protein   | Enzymes; Active Kinases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| References                                               | <p>1. Caradonna, S. et.al: Affinity purification and comparative analysis of two distinct human uracil-DNA glycosylases. Exp. Cell Res. 222: 345-359, 1996. 2. Muller, S. J. et.al: Cell cycle regulation of a human cyclin-like gene encoding uracil-DNA glycosylase. J. Biol. Chem. 268: 1310-1319, 1993.</p>                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                           |
|----------------------------------|---------------------------------------------------------------------------|
| NCBI GI #                        | 589811554                                                                 |
| NCBI GeneID                      | 1017                                                                      |
| NCBI Accession #                 | NM_001798.4                                                               |
| NCBI GenBank Nucleotide #        | NM_001798                                                                 |
| UniProt Accession #              | P24941; O75100; A8K7C6                                                    |
| Molecular Weight                 | ~58 kDa; ~68 kDa                                                          |
| NCBI Official Full Name          | Homo sapiens cyclin dependent kinase 2 (CDK2), transcript variant 1, mRNA |
| NCBI Official Synonym Full Names | cyclin dependent kinase 2                                                 |
| NCBI Official Symbol             | CDK2                                                                      |
| NCBI Official Synonym Symbols    | CDKN2; p33(CDK2)                                                          |
| NCBI Protein Information         | cyclin-dependent kinase 2                                                 |
| UniProt Protein Name             | Cyclin-dependent kinase 2                                                 |
| UniProt Gene Name                | CDK2                                                                      |
| UniProt Synonym Gene Names       | CDKN2                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdk2-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/72968>