



# Recombinant Cat Cyclin-dependent kinase inhibitor 1B (CDKN1B)

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| <b>Product Code</b>      | CSB-YP005087CA   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | O19001   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Felis catus (Cat) (Felis silvestris catus)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSNVRVSN GS PSLERMDARQ AEYPKPSACR NLFGPVNHEE LTRDLEKHCR<br>DMEEASQRKW NFDQNHKPL EGKYEWEVE KGSLPEFYR<br>PPRPPKGACK VPAQESQDVS GNRQAVPLIG SQANTEDTHL VDQKTDSDN<br>QTGLAEQCPG IRKRPATDDS SPQNKRANRT EENVSDGSPN AGSVEQTPKK<br>PGLRRRQT   |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | CDKN1B   |
| <b>Protein Names</b>     | Recommended name: Cyclin-dependent kinase inhibitor 1B Alternative name(s):<br>Cyclin-dependent kinase inhibitor p27 p27Kip1   |
| <b>Expression Region</b> | 1-198  |
| <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 gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. |
| <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.<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.   |