



# Recombinant Mouse Cyclin-dependent kinase inhibitor 1C (Cdkn1c)

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| <b>Product Code</b>      | CSB-MP005088MO   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P49919   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MGMSDVYLRS RTAMERLASS DTFPVIARSS ACRLSFGPVD HEELGRELRM<br>RLAELNAEDQ NRWDFNFQQD VPLRGPGRQLQ WMEVDSESV<br>AFYRETVQVG RCRLQLGPRP PPVAVAVIPR SGPPAGEAPD GLEEAPQPP<br>SAPASAVVAE PTPPATPAPA SDLTSDPIPE VTLVATSDPT PDPIPDANPD<br>VATRDGEEQV PEQVSEQGEE SGAEPGDELG TEPVSEQGEE<br>QGAEPVEEKD EEPEEEQGAE PVEEQGAEPV EEQNGEPVEE<br>QDENQEQRGQ ELKDQPLSGI PGRPAPGTAA ANANDFFAKR KRTAQENKAS<br>NDVPPGCPSP NVAPGVGAVE QTPRKRLR |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | Cdkn1c   |
| <b>Protein Names</b>     | Recommended name: Cyclin-dependent kinase inhibitor 1C<br>Alternative name(s): Cyclin-dependent kinase inhibitor p57 p57Kip2   |
| <b>Expression Region</b> | 1-348  |
| <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 is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndrome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene.                                |
| <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.