



# Recombinant Bovine Cyclin-dependent kinase 4 inhibitor D (CDKN2D)

<b>Product Code</b>	CSB-MP639094BO
<b>Abbreviation</b>	CDKN2D
<b>Storage</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.
<b>Uniprot No.</b>	Q29RV0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MLLEEVHAGD RLSGAAARGD VQEVRRLLHS ELVHPDVLNR FGKTALQVMM FGSPTIALEL LKQGASPNVQ DASGTTPAHD AARTGFLDTL KVLVEHGADV NAPDGTGALP IHLAVREGHT SVVSFLATES DLHHRDATGL TPLELARGRG AQELMDILQR HTVAPL
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CDKN2D
<b>Protein Names</b>	Recommended name: Cyclin-dependent kinase 4 inhibitor D Alternative name(s): p19-INK4d
<b>Expression Region</b>	1-166
<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 member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to form a stable complex with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. The abundance of the transcript of this gene was found to oscillate in a cell-cycle dependent manner with the lowest expression at mid G1 and a maximal expression during S phase. The negative regulation of the cell cycle involved in this protein was shown to participate in repressing neuronal proliferation, as well as spermatogenesis. Two alternatively spliced variants of this gene, which encode an identical protein, have been reported.
<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.

### Shelf Life

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