



# Recombinant Mouse Cyclin-G2 (Ccng2)

<b>Product Code</b>	CSB-MP004821MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O08918
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MKDLGAKHLA GGEGVQLFGL LNFYLEQEQR YQPREKGLIL MEATPENDNT LCSRLRNAKV EDLRSLTNFF GSGTETFVLA VNILDRFLAL MKVKPKHLSC IGVCCFLAA RLAEEEGDVP PTHDVIRISQ CKCTASDIKR MEKIISEKLH YELEATTALN FLHLYHAIVF CHTSERKEIL SLDKLEAQLK ACNCRVVFSSK ARPSVLALCL LNLEIETIKS VELLEILLLV KKHLKLSLTE FFYWRELVSK CLAEYSSPRC CKPDLKLVW IVSRRTAQLN HSSYYSVPEL PTIPEGGCFD GSESEDSGED MSCGEESLSS SPPSDQECTF FFDFQVAQTL CFPP
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Ccng2
<b>Protein Names</b>	Recommended name: Cyclin-G2
<b>Expression Region</b>	1-344
<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>	The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose activities are regulated by cyclins and CDK inhibitors. The 8 species of cyclins reported in mammals, cyclins A through H, share a conserved amino acid sequence of about 90 residues called the cyclin box. The amino acid sequence of cyclin G is well conserved among mammals. The nucleotide sequence of cyclin G1 and cyclin G2 are 53% identical. Unlike cyclin G1, cyclin G2 contains a C-terminal PEST protein destabilization motif, suggesting that cyclin G2 expression is tightly regulated through the cell cycle.
<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.