



# Recombinant Rat G2/mitotic-specific cyclin-B1 (Ccnb1)

<b>Product Code</b>	CSB-EP004806RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P30277
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MALRVTRNTK INTENKAKVS MAGAKRVPVA VAASKPLLRs RTALGDIGNK VSEQSRIPLK KETKKLGSgt VTKALPKPV DKVPVCEPEV ELDEPEPEPV MEVKHSPEPI LVDTPSPSPM ETSGCAPAEE YLCQAFSDVI LAVSDVDADD GGDPNLCSEY VKDIYAYLRQ LEEEQSVRPK YLLGREVTGN MRAILIDWLI QVQMKFRLlQ ETMYMTVSII DRFMQDSCVP KKMLQLVgVT AMFIASKYEE MYPPEIGDFA FVTNNTYTKH QIRQMEMKIL RVLNFSLGRP LPLHFLRRAS KIGEVDVEQH TLAKYLMELS MLDYDMVHFA PSQIAAGAFc LALKILDNGE WTPTLQHyls HTEESLLPVM QHLAKNIVMV NRGLTKHMTI KNKYATSKHA KISTLAQLNC TLVQNLSKAV TKA
<b>Source</b>	E.coli
<b>Target Names</b>	Ccnb1
<b>Protein Names</b>	Recommended name: G2/mitotic-specific cyclin-B1
<b>Expression Region</b>	1-423
<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 regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites.
<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.