



# Recombinant Rat Protein phosphatase 1B (Ppm1b)

<b>Product Code</b>	CSB-EP018490RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P35815
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GAFLDKPKT EKHNAHGAGN GLRYGLSSMQ GWRVEMEDAH TAVVGIPHGL EDWSFFAVYD GHAGSRVANY CSTHLLHIT TNEDFRAADK SGFALEPSVE NVKTGIRTGF LKIDEYMRNF SDLRNGMDRS GSTAVGVMIS PTHIYFINCG DSRAVLCRNG QVCFSTQDHK PCNPMEKERI QNAGGSVMIQ RVNGSLAVSR ALGDYDYKCV DGKGPTEQLV SPEPEVYEIL RAEDEFVVL ACDGIWDVMS NEELCEFVNS RLEVSDDLN VCNWVVDTCV HKGSRDNMSI VLVCFANAPK VSDEAVKRDL ELDKHLESRV EEIMQKSGEE GMPDLAHVMR ILSAENIPNL PPGGGLAGKR NVIEAVYSRL NPNKDNDGGA GDLEDSLVAL
<b>Source</b>	E.coli
<b>Target Names</b>	Ppm1b
<b>Protein Names</b>	Recommended name: Protein phosphatase 1B EC= 3.1.3.16 Alternative name(s): Protein phosphatase 2C isoform beta Short name= PP2C-beta
<b>Expression Region</b>	2-390
<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 of Mature Protein
<b>Target Details</b>	This protein is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase has been shown to dephosphorylate cyclin-dependent kinases (CDKs), and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to cause cell-growth arrest or cell death. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional transcript variants have been described, but currently do not represent full-length sequences.
<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

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.