



Recombinant Rat Serine/threonine-protein phosphatase PP1-beta catalytic subunit (Ppp1cb)

Product Code	CSB-EP018504RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P62142
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	ADGELNVDS LITRLLEVRG CRPGKIVQMT EAEVRGLCIK SREIFLSQPI LLELEAPLKI CGDIHGQYTD LLRLFYGGF PPEANYLFLG DYVDRGKQSL ETICLLLAYK IKYPENFFLL RGNHECASIN RIYGFYDECK RRFNIKLWKT FTDCFNCLPI AAIVDEKIFC CHGGLSPDLQ SMEQIRRIMR PTDVPTDGLL CDLLWSDPK DVQGWGENDR GVSFTFGADV VSKFLNRHDL DLICRAHQVV EDGYEFFAKR QLVTLFSAPN YCGEFDNAGG MMSVDETLMC SFQILKPSEK KAKYQYGGLN SGRPVTTPRT ANPPKKR
Source	E.coli
Target Names	Ppp1cb
Protein Names	Recommended name: Serine/threonine-protein phosphatase PP1-beta catalytic subunit Short name= PP-1B EC= 3.1.3.16 EC= 3.1.3.53
Expression Region	2-327
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Mouse studies suggest that PP1 functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed.
Reconstitution	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.