



Recombinant Mouse Dual specificity protein phosphatase CDC14B (Cdc14b)

Product Code	CSB-MP740782MO
Abbreviation	Cdc14b
Storage	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.
Uniprot No.	Q6PFY9
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MKRKSERRSA WATAPPCSRR SSSSSPGVKK SRSSTPQELH RLEQQDDL _{YL} DITDRLCFAI LYSRPKSATN EHYFSIDNEL EYENFYADFG PLNLAMVYRY CCKINKKLKS ITMLRKKIIH FTGTDQRKQA NAAFLVGCYM VIYLGRTPED AYRTLIFGDT AYIPFRDAAY GSCSFYITLL DCFHAVKKAM QYGFFNFNSF NLDEYEHYK AENGDFNWII PERFLAFCGP HSRSRLESGY HQHSPETYIP YFKNHNVTTI IRLNKRMYDA KRFTDAGFDH HDLFFPDGST PAESIVQEFL DICENVKGAI AVHCKAGLGR TGTLIGCYLM KHYRMTAAES IAWLRICRPG SVIGPQQQFL VMKQSSLWLE GDYFRQKLRG QENGPLREAF SKHLSADADDL SLNGLENQDN QEPEPYSDDD EVSGMTQGDR LRALKSRRQP KASAIPLTCP LAVLTSALCS VAIWWIVCDY ILPTLLFCLD GFRTQ
Source	Mammalian cell
Target Names	Cdc14b
Protein Names	Recommended name: Dual specificity protein phosphatase CDC14B EC= 3.1.3.16 EC= 3.1.3.48 Alternative name(s): CDC14 cell division cycle 14 homolog B
Expression Region	1-485
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 protein
Target Details	This protein is a member of the dual specificity protein tyrosine phosphatase family. This protein is highly similar to <i>Saccharomyces cerevisiae</i> Cdc14, a protein tyrosine phosphatase involved in the exit of cell mitosis and initiation of DNA replication, which suggests the role in cell cycle control. This protein has been shown to interact with and dephosphorylates tumor suppressor protein p53, and is thought to regulate the function of p53. Alternative splice of this gene results in 3 transcript variants encoding distinct isoforms.



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.