



Recombinant Human Dual specificity protein phosphatase CDC14B (CDC14B)

Product Code	CSB-MP004986HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O60729
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MKRKSERRSS WAAAPPCSRR CSSTSPGVKK IRSSTQQDPR RRD PQDDVYL DITDRLCFAI LYSRPKSASN VHYFSIDNEL EYENFYADFG PLNLAMVYRY CCKINKKLS ITMLRKKIVH FTGSDQRKQA NAAFLVGCYM VIYLGRTPEE AYRILIFGET SYIPFRDAAY GSCNFYITLL DCFHAVKKAM QYGFLNFNSF NLDEYEHYK AENGLNWII PDRFIAFCGP HSRARLESGY HQHSPETYIQ YFKNHNVTTI IRLNKRMYDA KRFTDAGFDH HDLFFADGST PTDAIVKEFL DICENAEGAI AVHCKAGLGR TGTLIACYIM KHYRMTAAET IAWVRICRPG SVIGPQQQFL VMKQTNLWLE GDYFRQKLG QENQHRAAF SKLLSGVDDI SINGVENQDQ QEPEPYSDDD EINGVTQGDR LRALKSRRQS KTNAIPLTVI LQSSVQSCKT SEPNISGSAG ITKRTRRSAS RKSSVKSLSI SRTKTVLR
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	1-498
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.