



Recombinant Human Dual specificity protein phosphatase CDC14A (CDC14A)

Product Code	CSB-MP892158HU
Abbreviation	CDC14A
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.	Q9UNH5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MAAESGELIG ACEFMKDRLY FATLRNRPKS TVNTHYFSID EELVYENFYA DFGPLNLAMV YRYCCKLNKK LKSYSLSRKK IVHYTCFDQR KRANAFLIG AYAVIYLKKT PEEAYRALLS GSNPPYLPFR DASFGNCTYN LTILDCLQGI RKGLQHGFDD FETFDVDEYE HYERVENGDF NWIVPGKFLA FSGPHPKSKI ENGYPLHAPE AYFPYFKKHV VTAVVRLNKK IYEAKRFTDA GFEHYDLFFI DGSTPSDNIV RRFLNICENT EGAIHVHCKA GLGRTGTLIA CYVMKHYRFT HAEIIAWIRI CRPGSIIGPQ QHFLEEKQAS LWVQGDIFRS KLKNRPSSEG SINKILSGLD DMSIGGNLSK TQNMERFGED NLEDDDVEMK NGITQGDKLR ALKSQRQPRT SPSCAFRSDD TKGHPRAVSQ PFRLSSSLQG SAVTLKTSKM ALSPSATAKR INRTSLSSGA TVRSFSINSR LASSLGNLNA ATDDPENKKT SSSSKAGFTA SPFTNLLNGS SQPTTRNYPE LNNNQYNRSS NSNGGNLNSP PGPHTAKTEE HTTILRPSYT GLSSSSARFL SRSIPSLQSE YVHY
Source	Mammalian cell
Target Names	CDC14A
Protein Names	Recommended name: Dual specificity protein phosphatase CDC14A EC= 3.1.3.16 EC= 3.1.3.48 Alternative name(s): CDC14 cell division cycle 14 homolog A
Expression Region	1-594
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. It 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, suggesting a role in cell cycle control. This protein has been shown to interact with, and dephosphorylate tumor suppressor protein p53, and is thought to



regulate the function of p53. Alternative splicing of this gene results in several 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

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