



# Recombinant Mouse Dual specificity protein phosphatase CDC14A (Cdc14a)

<b>Product Code</b>	CSB-EP750214MO
<b>Abbreviation</b>	Cdc14a
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q6GQT0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAAESGELIG ACEFMKDRLY FATLRNRPKS TINIHYSID EELVYENFYA DFGPLNLAMV YRYCCKLNKK LKSYLSRKK IVHYTSFDQR KRANAFLIG AYAVIYLKKT PEEAYRALLS GSNPPYLPFR DASFGNCTYN LTVLDCLQGI RKGLQHGGFFD FETFDAEEYE HYERVENGDF NWIVPGKFLA FSGPHPKSKI ENGYPLHAPE AYFPYFKKNN VTTIVRLNKK IYEAKRFTDA GFEHYDLFFI DGSTPSDNIV RRFLNICENT EGAIHVHCKA GLGRTGTLIA CYVMKHRYFT HAEIIAWIRI CRPGSIIGPQ QHFLKEKQAS LWVQGDIFRS KLKNRPSSEG SITKIISTLD DMSIGANLSK LQSTERIGEN NFEDEDMEIK NNVTQGDKLR ALKSQRHPRS SPSCAFRSDD MKGHQRAMAQ TFRLLSSSPQP TMSTMKTSKV CLSPSVTAKK ISRGLSSGA NIRSFSINSR LASSLGNLNA GTEEPETKKT TSLTKAAFIA SPFTSFLNGS TQTPGRNYPE LNNNQYTRSS NSNSSSSSSG LGGNLNSSPV PQSAKPEEHT TILRPSFPGS LSSSSVRFLS RSIPSLQSEY VHY
<b>Source</b>	E.coli
<b>Target Names</b>	Cdc14a
<b>Protein Names</b>	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
<b>Expression Region</b>	1-603
<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 protein
<b>Target Details</b>	This protein is a member of the dual specificity protein tyrosine phosphatase family. It is highly similar to Saccharomyces cerevisiae 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.

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**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.

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**Shelf Life**

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