



# Recombinant Mouse M-phase inducer phosphatase 3 (Cdc25c)

<b>Product Code</b>	CSB-YP004996MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P48967
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>STGPIPPAS EEGSFVSAPS FRSKQRKILH LLLERNTSFT IRSDFPESPK  DKLHDSANLS ILSGGTPKCC LDLSNLSSGE MSASPLTTSA DLEDNGSLDS  SGPLDRQLTG KDFHQDLMKG IPVQLLCSTP NAMNHGHRKK IAKRSTSAHK  ENINTSLKAL EWEAPRTPRF RKMPGGPLTS PLCELEMKHL GSPITTVPKL  SQNVKLEDQE RISEDPM ECS LGDQDAKGLS LRKMVPLCDM NAIQMEEEEES  GSELLIGDFS KVCVLPTVPG KHPDLKYISP DTVAALLSGK FQSVIERFYI  IDCRYPYEYL GGHILGALNL HSQKELHEFF LRKPVVPLDI QKRVIIVFLC  EFSSERGPRM CRSLREKDRA LNQYPALYYP ELYILKGGYR DFFPEYMELC  DPQSYCPMLH QDHQAELLSW RSQSKAQEGE RQLQGQIALL VKGAS PQ</p>
<b>Source</b>	Yeast
<b>Target Names</b>	Cdc25c
<b>Protein Names</b>	Recommended name: M-phase inducer phosphatase 3 EC= 3.1.3.48 Alternative name(s): Dual specificity phosphatase Cdc25C
<b>Expression Region</b>	2-447
<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 of Mature Protein
<b>Target Details</b>	This gene is highly conserved during evolution and it plays a key role in the regulation of cell division. The encoded protein is a tyrosine phosphatase and belongs to the Cdc25 phosphatase family. It directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It is also thought to suppress p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described, however, the full-length nature of many of them is not known.
<b>Reconstitution</b>	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.