Recombinant Human M-phase inducer phosphatase 2 (CDC25B)

Product Code	CSB-YP004995HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P30305
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEVPQPEPAP GSALSPAGVC GGAQRPGHLP GLLLGSHGLL GSPVRAAASS PVTTLTQTMH DLAGLGSETP KSQVGTLLFR SRSRLTHLSL SRRASESSLS SESSESSDAG LCMDSPSPMD PHMAEQTFEQ AIQAASRIIR NEQFAIRRFQ SMPVRLLGHS PVLRNITNSQ APDGRRKSEA GSGAASSSGE DKENDGFVFK MPWKPTHPSS THALAEWASR REAFAQRPSS APDLMCLSPD RKMEVEELSP LALGRFSLTP AEGDTEEDDG FVDILESDLK DDDAVPPGME SLISAPLVKT LEKEEEKDLV MYSKCQRLFR SPSMPCSVIR PILKRLERPQ DRDTPVQNKR RRSVTPPEEQ QEAEEPKARV LRSKSLCHDE IENLLDSDHR ELIGDYSKAF LLQTVDGKHQ DLKYISPETM VALLTGKFSN IVDKFVIVDC RYPYEYEGGH IKTAVNLPLE RDAESFLLKS PIAPCSLDKR VILIFHCEFS SERGPRMCRF IRERDRAVND YPSLYYPEMY ILKGGYKEFF PQHPNFCEPQ DYRPMNHEAF KDELKTFRLK TRSWAGERSR RELCSRLQDQ
Source	Yeast
Target Names	CDC25B
Protein Names	Recommended name: M-phase inducer phosphatase 2 EC= 3.1.3.48 Alternative name(s): Dual specificity phosphatase Cdc25B
Expression Region	1-580
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	CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist.
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.