



Recombinant Mouse Cell division control protein 6 homolog (Cdc6)

Product Code	CSB-EP005022MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O89033
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MPQTRSQTQA TIGFPKKKLS NTLKKPNSRD CEVKLRNVQP VPTTPCVDVK LLPLSPRKRL GDDNLCNTPR LSPCSPKLG KKENGPPRSH TWKGCRLVFD DEPTFKASPP KEQDRVRQH Q IRSSSAQRSP ESKADPEQKC PPEKESVCIR LFKQEGTCYQ QAKLVLNTAV PDRLPAREQE MG VIRNFLKE HICGKKAGSL YLSGAPGTGK TA CLSRILQD FKKEVKGFKS ILLNCMSLRS AQAVFPAIAQ EIGREELCRP AGKDLMRKLE KHLTAEKGP M IVLVLEMDQ LDSKGQDVLY TLFEWPWLSN SRLVLIGIAN TLDLTDRILP RLEARENCKP QLLNFPPYTR NQIAAILQDR LSQVSKDQVL DSAAIQFCAR KVS AVSGDIR KALDVCRRAI EIVESD VRSQ TVLKPLSECK SPSESPV PKR VGLAHISQVI SEVDG NRVTL SQENTQDSL P LQQKILVCSL LLLTRRLKIK EVTLGKLYEA YSSICR KQQV TAVDQSECLS LSGLLES RGL VGLKKNKESR LTKVSLKIEE KEIEHVLNGK AFTGNILAAG LP
Source	E.coli
Target Names	Cdc6
Protein Names	Recommended name: Cell division control protein 6 homolog Alternative name(s): CDC6-related protein p62(cdc6)
Expression Region	1-562
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 highly similar to <i>Saccharomyces cerevisiae</i> Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cycle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cycle is regulated through its phosphorylation by Cdks. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins.
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.