



Recombinant Bovine M-phase inducer phosphatase 3 (CDC25C)

Product Code	CSB-EP004996BO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	A5D7P0
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	≥85% (SDS-PAGE)
Sequence	<p>SAEFFSSKR EEGSLASGPS FRSNQRKILN LLLERDASFS ISSDLPTTPV EKKLFGDSAN LSILSGGTPK RCLDLSNLSS GEMSATQLTA SADLDETGHL ESTGPEQVRL AGMNYRQHLLI KCSPAQLFCS TPNALEHGRR KKDAICGSSA NKENDNGNLV ENEMKHLGSP ITTVSKLHKN PELAEDQAEI ISDELMEFSL EDQEKAKPPL NWSSLYRSSS LPDSLNSPSL KQVVKFKDST IPDKLKKKYC SNQKELGKGL GLKKMVSLCD INMTQMLEED SNQGPLIGDF SKVCALPTVS GKHQDLKYVN PETVAALLSG EFQGLIEKFY IIDCRYPYFY LGGHIQGALN LHSQEELYNF FLKKPIVPWD NQKRIVIVFH CEFSSERGPR MCRSLREEDR TLNQYPALYY PELYILKGGY RDFPFPEYMEI CEPQSYCPMH HQDHKAELLR CRNQSKAWEG ERQLQEIQIAL LVKDVSP</p>
Source	E.coli
Target Names	CDC25C
Protein Names	Recommended name: M-phase inducer phosphatase 3 EC= 3.1.3.48 Alternative name(s): Dual specificity phosphatase Cdc25C
Expression Region	2-477
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 of Mature Protein
Target Details	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.
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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.