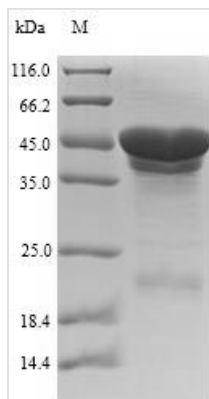




Recombinant Escherichia coli Cytolethal distending toxin subunit B (cdtB)

Product Code	CSB-EP671598ENL
Relevance	Part of the tripartite complex that is required for the CDT activity. CdtB exhibits a DNA-nicking endonuclease activity, and very probably causes DNA damage in intoxicated cells. This damage induces G2/M cell cycle arrest, chromatin fragmentation, cell distention and nucleus enlargement.
Abbreviation	Recombinant E.coli cdtB protein
Storage	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.
Uniprot No.	Q46669
Alias	Deoxyribonuclease CdtB (EC:3.1.-.-)
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	DLTDFRVATWNLQGASATTESKWNINVRQLISGENAVDILAVQEAGSPSTAV DTGTLIPSPGIPVRELIWNLSTNSRPQQVYIYFSAVDALGGRVNLALVSNRRAD EVFVLSPVRQGGRRPLLGRIGNDAFFTAHAIAMRNNDAPALVEEVYNFFRDSR DPVHQALNWMILGDFNREPADLEMNLTPVRRASEIISPAATQTSQRDLTYA VAGNSVAFRPSPLQAGIVYGARRTQISSDHFPVGVSR
Research Area	others
Source	E.coli
Target Names	cdtB
Protein Names	Recommended name: Cytolethal distending toxin subunit B Short name= CDT B Alternative name(s): Deoxyribonuclease CdtB EC= 3.1.-.-
Expression Region	19-269aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	47.4kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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