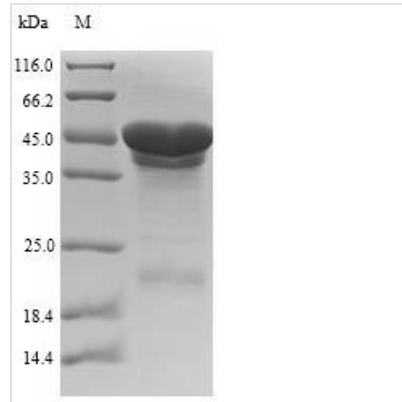




Recombinant Escherichia coli Cytolethal distending toxin subunit B (cdtB)

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|--------------------------|--|
| 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 | ≥ 90% as determined by SDS-PAGE. |
| Sequence | DLTDFRVATWNLQGASATTESKWNINVRQLISGENAVDILAVQEAGSPPSTAV DTGTLIPSPGIPVRELIWNLSTNSRPQQVYIYFSAVDALGGRVNLALVSNRRAD EVFVLSPVRQGGPRLGIRIGNDAFFTAHAIAMRNNDAPALVEEVYNFFRDSR DPVHQALNWMILGDFNREPADLEMNLTPVRRASEIISPAAATQTSQRTLDYA 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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