

## Product datasheet for **TP724651**

### Campylobacter jejuni Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant C. jejuni Cytolethal Distending Toxin B/CdtB (N-His)
Species:	Campylobacter jejuni
Expression cDNA Clone or AA Sequence:	N27-F265
Tag:	N-6His
Buffer:	Supplied as a 0.2 um filtered solution of 2umM PB, 15umM NaCl, pH7.2
Note:	Recombinant C. jejuni Cytolethal Distending Toxin B is produced by E.coli. The target gene encoding N27-F265 is expressed with a 6His tag at the N terminus.
Stability:	12 months from date of despatch
Summary:	Cytolethal distending toxins (CDTs) are a class of heterotrimeric toxins produced by certain gram-negative bacteria that display DNase activity. These toxins cause G2/M cell cycle arrest in specific mammalian cell lines, leading to the enlarged or distended cells. Affected cells die by apoptosis. Each toxin consists of three distinct subunits. Cytolethal distending toxins are classified as AB toxins, with an active ("A") subunit that directly damages DNA and a binding ("B") subunit that helps the toxin attached to the target cells. CdtB is the active subunit and a homolog to mammalian DNase I, whereas CdtA and CdtC make up the binding subunit.



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