



For research use only

ISO9001

Topoisomerase I (*E.coli*)

Product	Quantity	Cat. No.	Remarks
Topoisomerase I (<i>E.coli</i>)	500 unit	EBT-3033	5 unit/ μ l

Description

Topoisomerase I (*E. coli*) catalyzes the relaxation of negatively supercoiled DNA. Topoisomerase I is purified from a recombinant *E.coli* strain.

Concentration & Storage Condition

5 unit/ μ l. Store at -20°C.

Storage Buffer

10 mM Tris-HCl, pH 7.5, 35 mM (NH₄)₂SO₄, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 50% glycerol.

10x Reaction Buffer

200 mM Tris-acetate, pH 7.9, 500 mM potassium acetate, 100 mM magnesium acetate, 10 mM DTT.

Unit Definition

One unit is defined as the amount of enzyme that catalyzes the relaxation of > 95% of 0.5 μ g of pUC19 (negatively supercoiled) DNA for 15 min at 37°C in a total reaction volume of 25 μ l. DNA supercoiling is assessed by agarose gel electrophoresis.

QC Tests

Activity, exo and endonuclease activity test, SDS-PAGE purity, performance tests.



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