

Datasheet for ABIN3188209

T4 DNA Ligase

Overview

Quantity: 200 U

Application: Ligation (Lig)

Product Details

Characteristics: T4 DNA Ligase catalyzes the formation of a phosphodiester bond between the proximal 3'-hydroxyl and 5'-phosphate ends of adjacent, nicked nucleotides of dsDNA, dsRNA or DNA-RNA hybrids. Known to proceed via an adenylated intermediate, this endergonic reaction can be utilized to join both cohesive-ended and blunt-ended termini.

Components: Enzyme supplied with 5X Reaction Buffer

Application Details

Comment:

- Cloning of restriction fragments
- Attaching doublestranded oligonucleotide linkers or adaptors to DNA
- Sitedirected mutagenesis
- Nick repair of duplex DNA, RNA or DNARNA hybrids
- Selfcircularization of linear DNA

Restrictions: For Research Use only

Handling

Concentration: 1 U/μL

Storage: -20 °C

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)