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## **T4 DNA Ligase**

Catalogue No.: abx098136

T4 DNA Ligase catalyzes the formation of a phosphodiester bond between juxtaposed 5'-phosphate and 3'-hydroxyl termini in duplex DNA or RNA with blunt or cohesive end. The enzyme repairs single strand nicks in duplex DNA, RNA or DNA/RNA hybrids. It has no activity on single-stranded nucleic acids. T4 DNA Ligase requires ATP as cofactor.

**Target:** T4 DNA Ligase

**Origin:** E. coli

**Storage:** Store at -20°C. Stable for 12 months from date of receipt.

**Buffer:** 10 mM Tris-Cl (pH 7.4), 50 mM KCl, 0.1 mM EDTA, 1 mM DTT, 50% glycerol.

**Note:** This product is for research use only. This product is shipped with dry ice.