

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



DNA Ligase I (E139) Peptide

Cat No.: BS2528P

Background

Eukaryotic DNA ligases are ATP-dependent enzymes that catalyze the joining of single and double-strand DNA breaks, which is an essential final step in DNA replication, recombination and repair. Four biochemically distinct DNA ligases, termed ligases I-IV, have been identified in mammalian cells. DNA ligase I is functionally homologous to the DNA ligase encoded by the *Saccharomyces cerevisiae* Cdc9 gene. The joining of Okazaki fragments during lagging strand DNA replication in mammalian cells is due to DNA ligase I. A combination of DNA polymerase epsilon, PCNA, replication factor C, replication protein A, and DNA ligase I is well-suited to the task of creating nucleotide excision repair patches.

Swiss-Prot

P18858

Applications

Blocking

Specificity

This peptide can be used with studies using BS2528 DNA Ligase I (E139) pAb.

Purification & Purity

Synthetic peptide DNA Ligase I (E139). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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