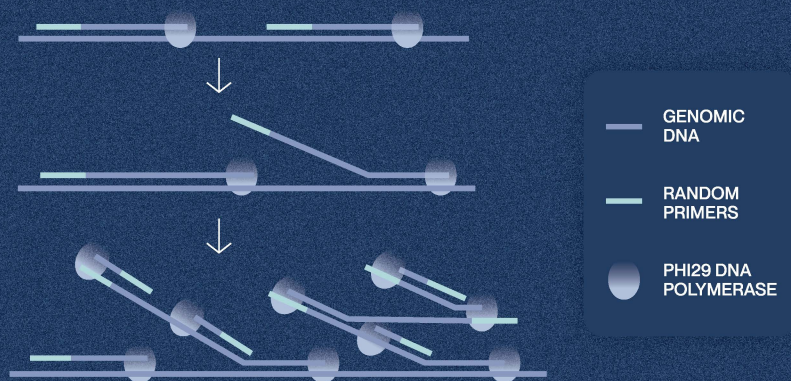


DNA Amplification & Modification Enzymes





Phi29 DNA Polymerase (#PHI-BE101)

Highly processive polymerase with strong strand-displacement activity
High yields for large DNA fragments
Isothermal amplification
Highly accurate replication

Applications

- Whole genome amplification
- Rolling circle amplification
- Multiple displacement amplification

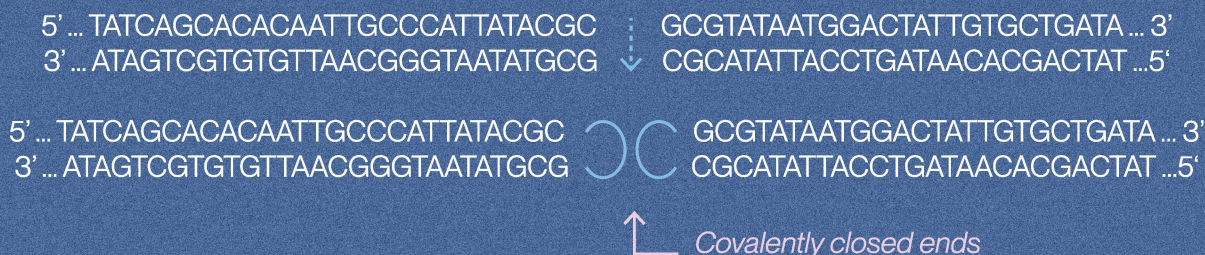
TelN Protelomerase (#TLN-BE001)

Cleaves dsDNA at recognition site and leaves covalently closed ends at cleavage site

Isolated from phage N15

Applications

- DNA vaccine development
- Non-viral gene therapy vector

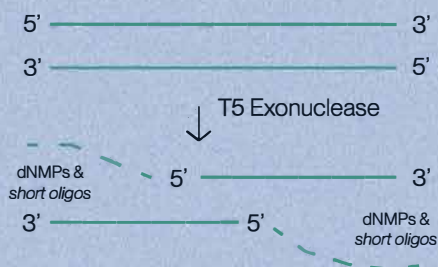


T5 Exonuclease (#T5E-PE101)

Degrades linear or nicked dsDNA
5' → 3' degradation

Applications

- Removal of incomplete ligation products from ligated circular dsDNA
- Removal of denatured linear and nicked DNA from plasmids prep

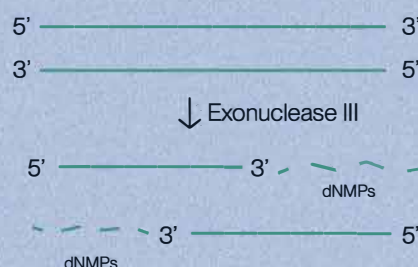


Exonuclease III (#EXO-EE101)

Degrades linear or nicked dsDNA with blunt ends or 5' overhangs
3' → 5' degradation

Applications

- Site-directed mutagenesis
- Preparation of ssDNA for dideoxy-sequencing
- Production of nested deletions in dsDNA
- Preparation of strand specific probes



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