



Creative Enzymes

Diagnostic Enzymes

DNA Library Prep Kit, Version IV

Product Information

Cat#	Kit-067
Description	This enzymatic fragmentation-based DNA library kit is designed for next-generation sequencing platforms and integrates DNA fragmentation, end-repair, and dA-tailing into a single step. The product requires no purification before adapter ligation, library enrichment, and size selection. It supports 1 ng–1 µg input DNA and is compatible with various sources and template amounts. Fragment size can be adjusted by incubation time according to target insert size. Rigorous quality control ensures library consistency and reproducibility.
Storage	-30 – -15 °C
Applications	PCR and PCR-free library construction; whole-genome sequencing; whole-exome or other targeted capture sequencing.
Product Overview	<p>High impurity tolerance: Enhanced resistance to contaminants such as high pH and EDTA.</p> <p>Broad species compatibility: Supports multiple species, enabling a unified workflow and efficient application.</p> <p>Improved library uniformity: Enhances coverage of high-GC regions and optimizes library evenness.</p>
Package	24 rxns FEA Buffer IV: 120 µL FEA Enzyme Mix IV: 240 µL Rapid Ligation Buffer IV: 600 µL Rapid DNA Ligase IV: 120 µL Ultra Amplification Mix: 600 µL PCR Primer Mix for Illumina: 120 µL PCR Primer Mix for MGI: 120 µL

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