



Creative Enzymes

Diagnostic Enzymes

RNA-seq Library Prep Kit, MGI-Compatible, Version II

Product Information

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|-------------------------|---|
| Cat# | Kit-074 |
| Description | This RNA-seq library preparation kit is optimized for MGI high-throughput sequencing platforms. It includes two types of second-strand cDNA synthesis buffers, supporting both standard and strand-specific transcriptome library construction. Second-strand synthesis, end repair, and dA-tailing are performed in a single step without intermediate purification, simplifying the workflow and reducing library preparation time. The optimized reaction system improves library conversion efficiency, supports low RNA input, and ensures uniform coverage across a wide input range. Magnetic bead-based size selection enables flexible control of library insert size. All enzymes and buffers are rigorously quality-controlled and functionally validated to ensure reproducibility and stability. |
| Storage | -30 – -15 °C |
| Applications | RNA library preparation; gene expression analysis; single nucleotide variant (SNV) analysis; alternative splicing analysis; fusion gene detection; targeted transcriptome analysis. |
| Product Overview | Rapid workflow: Simplified operations reduce RNA-seq library prep to 4.5 hours. High compatibility: Higher success rate for low-quality samples. High quality: High gene detection rate and uniform transcript coverage. |
| Package | 24 rxns 2x Fragmentation & Priming Buffer: 480 µL 1st Strand Buffer: 168 µL 1st Strand Enzyme Mix: 48 µL 2nd Strand Buffer (with dNTP): 600 µL 2nd Strand Buffer (with dUTP): 600 µL 2nd Strand Enzyme Super Mix: 360 µL Rapid Ligation Buffer: 600 µL Rapid DNA Ligase: 120 µL |

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PCR Primer Mix for MGI: 120 μ L

2x High-Fidelity Amplification Mix: 600 μ L

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