

# Universal V8 RNA-seq Library Prep Kit for MGI

## Product Information

<b>Cat#</b>	Kit-074
<b>Description</b>	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.
<b>Storage</b>	-30 °C to -15 °C
<b>Applications</b>	RNA library preparation; gene expression analysis; single nucleotide variant (SNV) analysis; alternative splicing analysis; fusion gene detection; targeted transcriptome analysis.
<b>Product Overview</b>	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.
<b>Package</b>	24 rxns 2x Frag/Prime Buffer: 480 µL 1st Strand Buffer 3: 168 µL 1st Strand Enzyme Mix 3: 48 µL 2nd Strand Buffer 2 (with dUTP): 600 µL 2nd Strand Enzyme Super Mix 2: 360 µL Rapid Ligation Buffer 4: 600 µL Rapid DNA Ligase 4: 120 µL PCR Primer Mix 5 for MGI: 120 µL

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2x HF Amplification Mix: 600 µL

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