



# Creative Enzymes

Diagnostic Enzymes

## RNA-seq Library Prep Kit, MGI-Compatible

### Product Information

<b>Cat#</b>	Kit-072
<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, allowing flexible selection between standard and strand-specific transcriptome library preparation. Second-strand synthesis, end repair, and dA-tailing are integrated into a single step without purification between reactions, streamlining the workflow and shortening preparation time. The optimized chemistry enhances library conversion efficiency, accommodates low RNA input, and delivers uniform coverage across different input amounts.
<b>Storage</b>	-30 – -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>	High library yield: Upgraded workflow efficiency (reverse transcription, nucleic acid repair, adapter ligation, library amplification); compatible with multiple species. High sequencing quality: High mRNA proportion and excellent downstream data.
<b>Package</b>	24 rxns 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 PCR Primer Mix for MGI: 120 µL High-Fidelity Amplification Mix: 600 µL

Tel: 1-631-562-8517 1-516-512-3133

Email: [info@creative-enzymes.com](mailto:info@creative-enzymes.com)

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA