



Creative Enzymes

Diagnostic Enzymes

RNA-seq Library Prep Kit, Illumina- Compatible

Product Information

Cat#	Kit-071
Description	This RNA-seq library preparation kit is optimized for Illumina high-throughput sequencing platforms. It includes two types of second-strand cDNA synthesis buffers, enabling construction of either standard or strand-specific transcriptome libraries. Second-strand synthesis, end repair, and dA-tailing are combined into a single step without intermediate purification, simplifying the workflow and reducing library preparation time. An optimized reaction system improves library conversion efficiency, supports lower RNA input amounts, and provides uniform coverage across a wide range of input levels.
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	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.
Package	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: 120 µL High-Fidelity Amplification Mix: 600 µL

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