



**Creative Enzymes**

*Diagnostic Enzymes*

## **rRNA Depletion Kit for Prevalent Species**

### **Product Information**

**Cat#** Kit-041

**Description** This kit is developed for rRNA removal from total RNA of commonly studied species, including human, rat, mouse, and cynomolgus monkey. It is compatible with 0.01–1 µg of input total RNA.

Through probe hybridization, RNase H digestion, and DNase I treatment, rRNA species (5S, 5.8S, 18S, 28S, 12S, 16S, and 45S rRNA) are efficiently depleted, while mRNA and other non-coding RNAs are retained.

The kit supports both intact and partially degraded RNA samples, and the purified RNA is suitable for mRNA and non-coding RNA (e.g., lncRNA) analysis. Optimized reaction conditions improve depletion efficiency and species coverage.

**Applications** rRNA depletion from total RNA of high-frequency species (human, rat, mouse, cynomolgus monkey); mRNA and non-coding RNA analysis.

### **Product Overview**