



**Creative Enzymes**

*Diagnostic Enzymes*

## rRNA Depletion Kit for Bacteria

### Product Information

<b>Cat#</b>	Kit-036
<b>Description</b>	<p>This kit is designed for rRNA removal from total RNA of both Gram-positive and Gram-negative bacteria. It supports 0.01–1 µg of input total RNA.</p> <p>Following probe hybridization, RNase H digestion, and DNase I treatment, bacterial rRNA species (5S, 16S, and 23S rRNA) are removed, while mRNA and other non-coding RNAs are retained.</p> <p>The kit is compatible with both intact and partially degraded RNA samples. The resulting RNA can be used for mRNA and non-coding RNA (e.g., lncRNA) analysis. An optimized reaction system enhances depletion efficiency and bacterial species compatibility.</p>
<b>Applications</b>	Prokaryotic rRNA depletion.
<b>Product Overview</b>	<p>Compatible with prokaryotic species: Supports bacteria, cyanobacteria, archaea, Rickettsia, and others.</p> <p>Supports complex environmental samples: Efficient removal of mixed prokaryotic rRNA.</p> <p>Short workflow: Complete process finished in 1 hour.</p>
<b>Package</b>	<p>6 rxns</p> <p>rRNA Probe (Bacteria): 18 µL</p> <p>Probe Buffer: 18 µL</p> <p>RNase H Buffer: 18 µL</p> <p>RNase H Mix: 12 µL</p> <p>DNase I Buffer: 174 µL</p> <p>DNase I: 6 µL</p> <p>Nuclease-free ddH<sub>2</sub>O: 1 mL</p>

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