



## *Lactococcus raffinolactis* Genomic DNA

Cat. No.: LBGF-0925-GF1816

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	This product contains high-quality, intact genomic DNA isolated from <i>Lactococcus raffinolactis</i> Genomic DNA. It is a purified and ready-to-use DNA sample, ideal for a wide range of molecular biology applications, including PCR, qPCR, and Next-Generation Sequencing.
<b>Target</b>	<i>Lactococcus</i> DNA
<b>Derived From</b>	<i>Lactococcus raffinolactis</i>
<b>Format</b>	Lyophilized powder
<b>Product Type</b>	Purified Microbial Genomic DNA
<b>Size</b>	5 µg
<b>DNA Concentration</b>	Lot-Specific Data. These actual results will be clearly detailed on the Certificate of Analysis (CoA) included with your shipment.
<b>Purity (A260/A280)</b>	Lot-Specific Data These actual results will be clearly detailed on the Certificate of Analysis (CoA) included with your shipment.
<b>Biosafety Level</b>	Purified genomic DNA is considered non-infectious and can be handled at BSL-1.
<b>Storage</b>	2-8°C
<b>Shipping Conditions</b>	Ambient temperature

<b>Shelf Life</b>	12 Months
<b>Applications</b>	<ol style="list-style-type: none"><li>1. Genomic Research and Sequencing.</li><li>2. PCR-based Detection and Quantification.</li><li>3. Quality Control and Assay Validation.</li><li>4. Gene Cloning and Expression.</li></ol>
<b>Handling Procedure (Reconstitution)</b>	<ol style="list-style-type: none"><li>1. Centrifuge the product tube at 12,000 rpm for 1 min.</li><li>2. Carefully add the required volume of sterile, nuclease-free ultrapure water.</li><li>3. Vortex the tube to ensure the product is fully dissolved.</li><li>4. To prevent degradation from repeated freeze-thaw cycles and to ensure long-term integrity, we recommend creating multiple single-use aliquots immediately after reconstitution. Store aliquots at <math>-20^{\circ}\text{C}</math> for long-term storage. For immediate use, an aliquot may be stored at <math>4^{\circ}\text{C}</math> for up to 4 weeks.</li></ol>
<b>Key Features</b>	<ol style="list-style-type: none"><li>1. High-quality genomic DNA from an authenticated microbial strain.</li><li>2. High purity and integrity, suitable for a range of applications.</li><li>3. Specific concentration and total amount.</li></ol>
<b>Key Precautions</b>	<ol style="list-style-type: none"><li>1. Avoid repeated freeze-thaw cycles.</li><li>2. Use nuclease-free water and labware.</li><li>3. For best long-term results, use a buffer.</li></ol>