




Product Sheet


# LitR Repression Pair (TetR Homolog) (ATCC® SB-2009™)

Please read this FIRST



Storage Temp.  
4°C or colder

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Biosafety Level  
1

## Description

**Product Description:** A plasmid pair from the ATCC® Synthetic Biology Yeast Tool Kit that is used to construct a gene expression system via a TetR homolog-based repression system. LitR, a TetR homolog, is a transcriptional regulator from *Vibrio* bacteria.

This pair of product includes two plasmids: pENTR\_L1L2\_LitR contains a TetR homolog, LitR, (ATCC SB-1089) and pENTR\_L4R1\_pGPD-LitR contains an ATCC synthetic promoter, pGPD-LitR, (ATCC SB-1069). They are two of DNA parts in the ATCC Synthetic Biology Yeast Tool Kit for building gene circuits in yeast, *Saccharomyces cerevisiae*. Detailed information of ATCC SB-1089 and ATCC SB-1069® can be found in these products' information sheets.

(Detailed information is also described in the ATCC® [Synthetic Biology Solutions User Guide](#)).

**Volume:** purified plasmid DNA (2 to 3 µg/vial)

## Components

### Synthetic TetR homolog regulator:

pENTR\_L1L2\_LitR (ATCC SB-1089)

### Synthetic promoter:

pENTR\_L4R1\_pGPD-LitR (ATCC SB-1069)

## Rehydration Procedure

Before opening the vial, centrifuge at 6,000 x g for 30 seconds. Add 30 µL of molecular grade water and incubate the vial at 4°C overnight to dissolve the DNA. Each vial contains 2-3 µg plasmid DNA (measured by PicoGreen®-dsDNA quantitation assay).

## ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

## Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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