DP-L4056 PROPHAGE-CURED STRAIN OF LISTERIA MONOCYTOGENES

Tech ID: 33015 / UC Case 2023-065-0

BRIEF DESCRIPTION

DP-L4056 is a prophage-cured strain of Listeria monocytogenes based on wild-type strain 10403S. A prophage is a bacteriophage genome that is integrated into a bacterial genome. It remains latent until activation by an external factor, and activation leads to production of new bacteriophage particles that lyse the bacterial cell and spread. Curing the prophages in Listeria monocytogenes strain 10403S, which is ubiquitous in the microbiology community as a wild-type reference strain, allows for more predictable engineering and performance of Listeria monocytogenes.

SUGGESTED USES

- Research tool

CONTACT

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INVENTORS

- Portnoy, Daniel A.

OTHER INFORMATION

CATEGORIZED AS

- **Materials & Chemicals**
  - Biological
- **Medical**
  - Research Tools
  - Screening
- **Research Tools**
  - Screening Assays

RELATED CASES

2023-065-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Listeria Variants and Methods of Use Thereof
- Listeria Engineered To Support Aerobic Growth Using The Non-Mevalonate Pathway