



pTATALUC+

87631™

Description

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Vector Information

Construct size (kb): 4.64300012588501

Intact vector size: 4.643

Vector name: pTATALUC+ (plasmid)

Type of vector: plasmid

Host range: vertebrate cells

Cloning sites: HindIII; PstI; Sall; BamHI; ClaI; SmaI; KpnI; SacI; EcoRI

Markers: ampR

MCS: HindIII...BamHI, ->, 1-36

Polylinker sites: HindIII; PstI; Sall; BamHI; [tk-promoter luc+ SV40 poly (A)] ClaI; SmaI; KpnI; SacI; EcoRI

Promoters: truncated TK promoter, 37-131

Replicon: pMB1, 2519-2519

Reporter group: luciferase (luc+), ->, 170-1822

Terminator: SV40 late polyadenylation, 1854-2075; SV40 large T-antigen polyadenylation, 4269-4640

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--4.6; HindIII--4.6; EcoRI--4.6.

- ATCC staff

The vector contains modified luciferase (luc+) gene from the firefly *Photinus pyralis* in order to increase the yield of recoverable luciferase activity after transfection and to eliminate potential cryptic regulatory elements.

- Biotechniques 23: 436-438, 1997

The vectors pTATALUC+ (ATCC 87631) and ptkLUC+ (ATCC 87632) were designed for the characterization of isolated cis regulatory elements.

- Biotechniques 23: 436-438, 1997

The promoters driving luc+ transcription in these two vectors represent different 5' deletions of the tk promoter ending at -32 and -105, respectively.

- Biotechniques 23: 436-438, 1997

The vector pTATALUC+ carries only the TATA box to avoid interference of the tk-derived CAAT and GC boxes with the regulatory elements of interest.

- Biotechniques 23: 436-438, 1997

The optimized luciferase reporter gene vectors (ATCC 87630 - 87633) provide valuable tools for the analysis of eukaryotic regulatory DNA elements.

- Biotechniques 23: 436-438, 1997

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pTATALUC+ (ATCC 87631)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

Disclaimers

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use. Any proposed commercial use is prohibited without a [license from ATCC](#).

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 or complete and the customer bears the sole responsibility of confirming the accuracy and completeness of any such information.

This product is sent on the condition that the customer is responsible for and assumes all risk and responsibility in connection with the receipt, handling, storage, disposal, and use of the ATCC product including without limitation taking all appropriate safety and handling precautions to minimize health or environmental risk. As a condition of receiving the material, the customer agrees that any activity

undertaken with the ATCC product and any progeny or modifications will be conducted in compliance with all applicable laws, regulations, and guidelines. This product is provided 'AS IS' with no representations or warranties whatsoever except as expressly set forth herein and in no event shall ATCC, its parents, subsidiaries, directors, officers, agents, employees, assigns, successors, and affiliates be liable for indirect, special, incidental, or consequential damages of any kind in connection with or arising out of the customer's use of the product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at www.atcc.org.

Copyright and Trademark Information

© ATCC 2023. All rights reserved.

ATCC is a registered trademark of the American Type Culture Collection.

Revision

This information on this document was last updated on 2024-10-25

Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor