



# pGRN145 plasmid in *E. coli* GC10

MBA-141™

Product Sheet

## Description

pGRN145 is an expression plasmid containing the human telomerase reverse transcriptase (hTERT) cDNA in *E. coli* GC10.

**Shipping information:** *Escherichia coli* GC10 containing the plasmid in glycerol stock

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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## 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.

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## 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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Insert Information

**Insert size (kb):** 3.398

**Insert information:**

**Gene:** Telomerase reverse transcriptase (TERT)

**Source:** Human

**GenBank accession:** NM\_003219

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## Vector Information

**Construct size (kb):** 14.002

**Vector information:** hTERT: 4225-7623

HygB: 9216-10238 (complementary)

CatR: 10822-11480

AmpS: 12941-13799 (complementary)

PAC: 368-964 (complementary)

F1 ori: 11501-11685 (complementary)

Ori: 12165-12747

Restriction digests of this clone gave the followi

**Markers:** cmlR

**Promoters:** MPSV

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## Growth Conditions

**Medium:**

ATCC Medium 2585: LB Medium (ATCC medium 1065) with 37 mcg/ml chloramphenicol

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## Handling Procedures

Streak a loopful of culture on an LB + 37 µg/mL chloramphenicol agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGRN145 plasmid in *E. coli* GC10 (ATCC MBA-141)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

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

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