



Product Sheet

PBG/-3G:24C PURIFIED PLASMID DNA

(40289)

Please read this FIRST



Intended Use

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

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U.S. Patent Number:
4,987,071

Technical Information

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Product Description

Designation: PBG/-3G:24C PURIFIED PLASMID DNA
Organism: *Tetrahymena thermophila* Nanney and McCoy

Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

Comments

Restriction digests of the clone give the following sizes (kb): EcoRI/HindIII--2.7, 0.6; EcoRI--3.4; HindIII--3.4. If linearized with HindIII, the T7 runoff transcript can be used to produce the ribozyme. The transcript is 716 nt long (274 nt of 5' exon, 413 nt of intervening sequence, and 29 nt of 3' exon).

Lengths of the exon sequences were adjusted so that accurate splicing in *E. coli* would permit expression of beta-galactosidase activity by alpha-complementation.

Distributed in aliquots of 200 ng dried.

Constructed by oligonucleotide-directed mutagenesis from pBGST7 (ATCC 40288). In the transcript, the 3rd position upstream of the 5' splice site has been changed from U to G and the 24th position in the intron has been changed from A to C.

The vector was constructed by inserting the T7 promoter sequence into a HaeIII site approximately 230 bp upstream of the multiple cloning site.

Propagation

References

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

Biosafety Level: 1



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Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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