ATCC

Product Sheet

PRY253 PLASMID IN ESCHERICHIA COLI K12 (39688)

Please read this FIRST

Biosafety Level
1

Intended Use

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

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

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U.S. Patent Number:
5,422,267

Technical Information

ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found on the international or U.S. patent office websites.

Product Description

Designation: PRY253 PLASMID IN ESCHERICHIA COLI K12

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--7.0, 7.0; KpnI--14.0; XbaI--uncut; SalI--10.8, 3.2; SstI--14.0.
A YI-type (yeast integrating, HO gene) shuttle vector that confers G418 resistance under control of the CYC1 promoter.
Constructed from pRY252 (ATCC 39687) by replacing the EcoRI fragment containing the 2 micron origin with an EcoRI fragment containing the homothalism gene HO and the KpnI site that can be used for cloning.

Propagation

Complete Growth Medium

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

Notes

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- ATCC staff

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39687) by replacing the EcoRI fragment containing the 2 micron origin with an EcoRI fragment containing the homothalism gene HO and the KpnI site that can be used for cloning.
- U.S. Pat. 5,422,267 dated June 6, 1995

.patent

References

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

Biosafety Level: 1

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.

ATCC Warranty

Patent Deposits not produced or characterized by ATCC are warranted for viability only. If you believe the culture you have received is nonviable, contact Technical Services by phone at 800-638-6597 or 703-365-2700 or by e-mail at tech@atcc.org. Or you may contact your local distributor.

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