



Product Sheet

PKSK351 PLASMID IN ESCHERICHIA COLI

(68982)

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:
5,187,098

Technical Information

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Product Description

Designation: PKSK351 PLASMID IN ESCHERICHIA COLI
Organism: *Homo sapiens*
, human

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): PstI--3.2, 1.9; BamHI--5.1; EcoRI/HindIII--2.7, 1.5, 0.9. HincII--3.4, 1.7.

The plasminogen portion corresponds to nt 1021-1597 of the reported sequence and encodes part of the K3 and K5 and all of the K4 kringle domains.

Downstream of the plasminogen sequence is a vector sequence encoding the peptide GGSSR and a truncated streptokinase gene lacking regulatory sequences and codons 1-39 but retaining the remainder of the coding sequence and the transcription terminator.

Contains an internal PstI site.

Encodes a plasminogen-streptokinase fusion protein expressed under control of lacPO. The fusion protein is extended at the N-terminus by the N-terminal hexapeptide of LacZ' followed by four polylinker-encoded amino acids.

The plasminogen sequence was cloned into the SmaI site and the streptokinase sequence was cloned into the HincII site.

Propagation

Complete Growth Medium

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

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

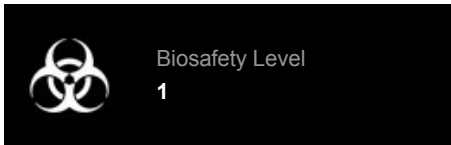
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References

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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