pLS88

86980™

Description

This is a broad host range plasmid containing three antibiotic resistance markers, kanamycin, streptomycin and sulfonamide resistance. It?s a natural isolate from *Haemophilus ducreyi* CH37. The sulfonamide resistance gene (sulII) contains PstI and HincII sites. The kanamycin resistance gene contains unique sites for ClaI, HindIII, PvuI, SmaI and XhoI. The order of the major features of the plasmid is: PstI ? P6 promoter ? sulII ? strAà - oriV ? kanR à - P5 promoter.This plasmid has been demonstrated to transform (electroporation) *Enterobacteriaceae*, *Pasteurellaceae*, and *Pseudomonaceae*, but not *Campylobacter*, *Streptococcaceae*, or *Staphylococcus aureus* (ATCC 25923). - Plasmid 32:228 ? 232, 1994

Clone type: Vector

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

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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): 4.771999835968018
Vector name: pLS88 (plasmid)
Type of vector: plasmid
Markers: strR; sulR; kanR
Replicon: pLS88

Growth Conditions

Medium:
ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin
Temperature: 37°C

Notes

Restriction digests of the clone gave the following sizes (in kb): SmaI 4.8 ; HindIII 4.8 ; PvuI 4.8. ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pLS88 (ATCC 86980)

References

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

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