This is a broad host range plasmid containing three antibiotic resistance markers, kanamycin, streptomycin and sulfonamide resistance. Its 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 Clal, HindIII, PvuI, SmaI and XhoI. The order of the major features of the plasmid is: PstI P6 promoter sulII strA orlV kanR 5 P5 promoter. This plasmid has been demonstrated to transform (electroporation) Enterobacteriaceae, Pasteurellaceae, and Pseudomonaceae, but not Campylobacter, Streptococcaceae, or Staphylococcus aureus (ATCC 25923).

Designation: pLS88

Transfer a loopful to a test tube containing 5 mL LB+25mg/mL of kanamycin broth. A loopful of culture can also be streaked on an LB + kan agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

Growth Conditions
Temperature: 37.0°C
Medium
ATCC® Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

Size (kb): 4.771999835968018
Vector: pLS88 (plasmid)
Marker(s): kanR, strR, sulR
Construct size (kb): 4.771999835968018
Features: marker(s): kanR, strR, sulR
replicon: pLS88

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

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

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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