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DATA SHEET

Reagent:	Cloning Vector (pLG338/30)
Catalog Number:	3923
Lot Number:	190297
Release Category:	D
Provided:	5 µg of dried purified DNA stabilized in DNAstable PLUS
Cloning Vector:	Ampicillin resistant
Description:	A cloning vector which contains the pSC101 *ori* and a multiple cloning site from pIBI130.
Special Characteristics:	This construct is approximately 5215 bp including the insert. This construct contains the 3.05 kb PvuII/HincII fragment from pLG338 which contains the pSC101 *ori*, a 1.65 kb EcoRI/HaeII fragment containing the pBR322 beta-lactamase gene, and a multiple cloning site (FspI/EcoRI) from pIBI30. This low copy number cloning vector is generally useful in stabilizing lentivirus sequences such as SIV, EIAV, Visna-maedi, etc. for subcloning, propagation, and manipulation in *E. coli* as a result of reducing the level of toxic gene expression from cryptic promoter sequences. GenBank Accession Number: AF035682 Contributor provided plasmid map Sequence file lot 190297 Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells. This reagent is currently being provided as dried purified DNA stabilized in DNAstable *PLUS*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice

Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.
Contributor:	Dr. Ronald C. Montelaro
References:	Cunningham, T. P., Montelaro, R. C. and Rushlow, K. E. (1993). Lentivirus envelope sequences and proviral genomes are stabilized in Escherichia coli when cloned in low-copy-number plasmid vectors. Gene, 124(1), 93-8. PUBMED
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Cloning Vector (pLG338/30) from Dr. Ronald C. Montelaro (cat# 3923)." Also include the reference cited above in any publications.
Last Updated	October 06, 2020