YEp356R plasmid in *E. coli*

37737™

Description

This is one of 3 promoter-cloning, YE-type shuttle vectors (ATCC#37737-37739) with URA3 selection in *Saccharomyces cerevisiae*, a beta-galactosidase reporter gene and multiple cloning sites differing in reading frame. The sequence and reading frame of the multiple cloning sequence is: 5' AAGCT TGC ATG CCT GCA GGT CGA CTC TAG AGG ATC CCC GGG TAC CGA GCT CGA ATT CCC AGC TTC GAT CCC 3' from nucleotide 1 of the MCS through CCC for amino acid 8 of beta-galactosidase. Cloning into the HindIII, SphI, PstI SalI or XbaI sites leads to a TAG stop codon within the downstream XbaI site of the multiple cloning region.

The cleavage position in the reading frame for cloning sites is (where 3= between triplets): HindIII-2; SphI-3; PstI-3; SalI-2; XbaI-2; BamHI-2; SmaI-3; KpnI-3; SacI-3; EcoRI-2. The SacI site is not unique.

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

Shipping information: *Escherichia coli* containing the plasmid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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

Vector name: YEp356R (plasmid)
Type of vector: plasmid
Construction: YEp356 (ATCC® 37731™), pUC18
Vector information: Possible host: *Escherichia coli* MC1061 (delta lacZ)
Insert detection: lacZ
Markers: ampR; URA3
Promoters: none
Replicon: pMB1; 2 micron

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

Notes

Restriction digests of the clone gave the following sizes (in kb): HindIII - 8.0 ; EcoRI - 8.0 ; PstI - 8.0.
-ATCC Staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: YEp356R plasmid in *E. coli* (ATCC 37737)

References

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

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Revision

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