pRSVADH

77131™

Description

Organism: *Drosophila melanogaster*, fruit fly
Clone type: Vector
Host: *Escherichia coli* DH5alpha

Storage Conditions

Product format: Freeze-dried

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.

Insert Information

Insert size (kb): 1.8
Type of DNA: cDNA
Insert information:
Insert 5' end: HindIII
Insert 3' end: XbaI
Genome: Drosophila melanogaster
Target gene: alcohol dehydrogenase
Gene name: alcohol dehydrogenase
Gene product: alcohol dehydrogenase [Adh-s]
Gene symbol: Adh-s
Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 6.900000095367432
Intact vector size: 5.100
Vector name: pRc/RSV
Type of vector: phagemid
Construction: pUC19, RSV, bovine growth hormone; pRc/RSV, pWX0008
Host range: vertebrate cells
Vector end: HindIII; XbaI
Cloning sites: HindIII; SpeI; BstXI; NotI; XbaI
Enhancer: RSV LTR
Markers: neoR; G418R; ampR
Polylinker sites: HindIII; KpnI; SacI; BamHI; SpeI; XmaIII; BstXI; EcoRI; PstI; EcoRV; BstXI; NotI; XhoI; SphI; NsiI; XbaI
Promoters: RSV LTR
Replicon: pMB1; M13
Terminator: bGH polyadenylation

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 give the following sizes (kb): EcoRI--4.3, 2.6; HindIII--6.9; BglII--6.9; KpnI--6.9; XbaI--6.9; HindIII/XbaI--5.1, 1.8.
- ATCC staff

Transient expression experiments should be performed to examine the RSV promoter
efficiency in different cell lines. The RSV promoter can be replaced by excising with a BglII/HindIII digest.
- personal communication

Shuttle reporter plasmid permitting visual detection of activity by histochemical staining.
- BioTechniques 11: 344-351, 1991

Presence of alcohol dehydrogenase activity is used to follow cell lineage in culture or in situ.
- BioTechniques 11: 344-351, 1991

pRSVlacZII (ATCC 77129), pRSVPAP (ATCC 77130) and pRSVADH (ATCC 77131) provide distinct color-staining reactions (aqua blue, red, and blue-black respectively) to permit simultaneous analysis of multiple lineages.
- BioTechniques 11: 344-351, 1991

The order of the major features in pRc/RSV is: RSV LTR - MCS - bovine growth hormone polyadenylation signal - M13 ori - SV40 early promoter - neoR - SV40

polyadenylation signal - pMB1 ori - bla.
- BioTechniques 11: 344-351, 1991

Constructed by cloning the HindIII/XbaI fragment from pWX0008 into pRc/RSV.
- BioTechniques 11: 344-351, 1991

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pRSVADH (ATCC 77131)

References

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

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