ATCC

Product Sheet

pSLF172 (ATCC® 87609™)

Please read this FIRST

Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: pSLF172 (ATCC® 87609™)

Shipping Information

Distributed: freeze-dried

Description

Designation: pSLF172
Distribution Host:
Distribution host: *Escherichia coli* HB101 (ATCC 33694)

Propagation

Growth Conditions
Temperature: 37.0°C
Medium
ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Vector Information

Size (kb): 8.5000000000000000
DESCRIPTION OF VECTOR:
Intact vector size: 8.500
Type of vector: phagemid
Cloning sites: XhoI BglII NotI BamHI SalI SmaI
Polylinker sites: XhoI BglII NotI HA triple tag BamHI TAG SalI SmaI
Construction: REP4X
Host range: Schizosaccharomyces pombe; Escherichia coli
Features (with orientation and position when available):
marker(s): ampR
marker(s): ura4+
replicon: ars1
replicon: pMB1, f1
promoter for expression: nmt1 (full strength), ->
MCS: XhoI...SmaI, ->
epitope tag: hemagglutinin (HA) triple tag
Vector: pSLF172 (phagemid)
Promoters: Promoter for expression nmt1 (full strength)
Construction: REP4X
Marker(s):ampR,ura4+
Construct size (kb): 8.5
Features: marker(s): ampR
marker(s): ura4+
promoter for expression: nmt1 (full strength)
replicon: ars1
replicon: pMB1, f1
MCS: XhoI...SmaI
epitope tag: hemagglutinin (HA) triple tag

References

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

Notes

Restriction digests of the clone give the following sizes (kb): HindIII--5.8, 1.7, 1.0; EcoRI--7.4, 1.1; BglII--8.5.
- ATCC staff

The vector was designed to tag expressed protein at C-terminus with triple HA tag, which contains an internal BamHI site. The vector does not contain an ATG, which must be provided by the insert.
- Gene 191: 191-195, 1997

The fission yeast tagging vectors, pSLF172 (ATCC 87609), pSLF272 (ATCC 87610) and pSLF372 (ATCC 87611), contain three versions of the nmt1 promoter: full strength (nmt1), medium strength (nmt1*) and low strength (nmt1**), respectively.

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

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- Gene 191: 191-195, 1997

The weaker promoters (nmt1* and nmt1**) contain mutations that attenuate both repressed and induced levels of expression.
- Gene 123: 131-131, 1993

Each version of the nmt1 promoter can be expressed at low or high levels in thiamine-free media.
- Gene 191: 191-195, 1997

The vector was constructed by 1) amplification by PCR with primers designed to flank the triple HA tag in Bluescript-HA and to modify the polylinker, 2) gel purification of the PCR product and digest with XhoI
- Gene 191: 191-195, 1997

and 3) ligation into REP4X cleaved with XhoI and SmaI.
- Gene 191: 191-195, 1997

Biosafety Level: 1

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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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