



Product Sheet

p414 TEF (ATCC® 87364™)

Please read this FIRST



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: p414 TEF (ATCC® 87364™)

Shipping Information

Distributed: freeze-dried

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

Description

Designation: p414 TEF

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): 5.415998893737790

DESCRIPTION OF VECTOR:

Intact vector size: 5.416

Type of vector: plasmid

Cloning sites: XhoI Sall ClaI EcoRI PstI SmaI BamHI SpeI

Polylinker sites: XhoI Sall ClaI HindIII EcoRV EcoRI PstI SmaI BamHI SpeI XbaI

Other unique sites: SacI

Construction: pRS414

Host range: *Saccharomyces cerevisiae*/Candida robusta; *Escherichia coli*

Features (with orientation and position when available):

marker(s): TRP1, -, 200-1213

terminator: CYC1, -, 1895-2155

MCS: Sall...XbaI, -, 2161-2219

promoter for expression: TEF, <-, 2219-2621

marker(s): ampR, <-, 3868-4798

replicon: CEN6/ARSH4, -, 4902-5416

Vector: p414 TEF (plasmid)

Promoters: Promoter for expression TEF

Construction: pRS414

Marker(s): TRP1, ampR

Construct size (kb): 5.415998893737790

Features: marker(s): TRP1

marker(s): ampR

promoter for expression: TEF

replicon: CEN6/ARSH4

MCS: Sall...XbaI

terminator: CYC1

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): BamHI--5.6;

EcoRI--5.6; SacI/XbaI--3.1, 1.7, 0.42.

- ATCC staff

Low copy number shuttle expression vector.

- Gene 156: 119-122, 1995

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.

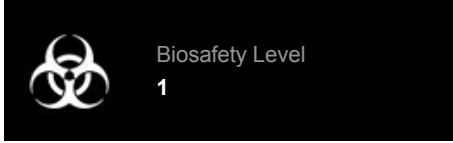
Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.



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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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