Saccharomyces cerevisiae vector useful for gene knockout experiments in hosts with a non-revertable met15 auxotrophic marker gene mutation. - Yeast 14: 115-132, 1998

Designation: pRS421

Transfer a loopful to a test tube containing 5 mL LB + 50 mg/mL of ampicillin broth. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

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

Vector Information
Size (kb): 6.232999801635742
Vector: pRS421 (phagemid)
Promoters: Promoter for in vitro transcription T7
Construction: pRS401, YEp24
Marker(s): ampR, MET15
Construct size (kb): 6.232999801635742
Features: insert detection: lacZ'
marker(s): MET15
marker(s): ampR
promoter: lac
promoter for in vitro transcription: T3
promoter for in vitro transcription: T7
replicon: 2 micron
replicon: f1
replicon: pMB1
MCS: KpnI...SacI

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

Restriction digests of the clone give the following sizes (kb): BamHI–6.2; EcoRI–1.7, 4.5; XbaI–3.2, 2.0, 1.0. - ATCC staffMET15, MET17 and MET25 are synonymous. - SGDmet15 phenotype produces brown colonies when grown on Pb containing media. - Yeast 14: 115-132, 1998

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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.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.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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.

© ATCC 2018. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [08/17]