p53-AbAi Vector

Catalog No.

(Not sold separately)

Sold as a part of 630491

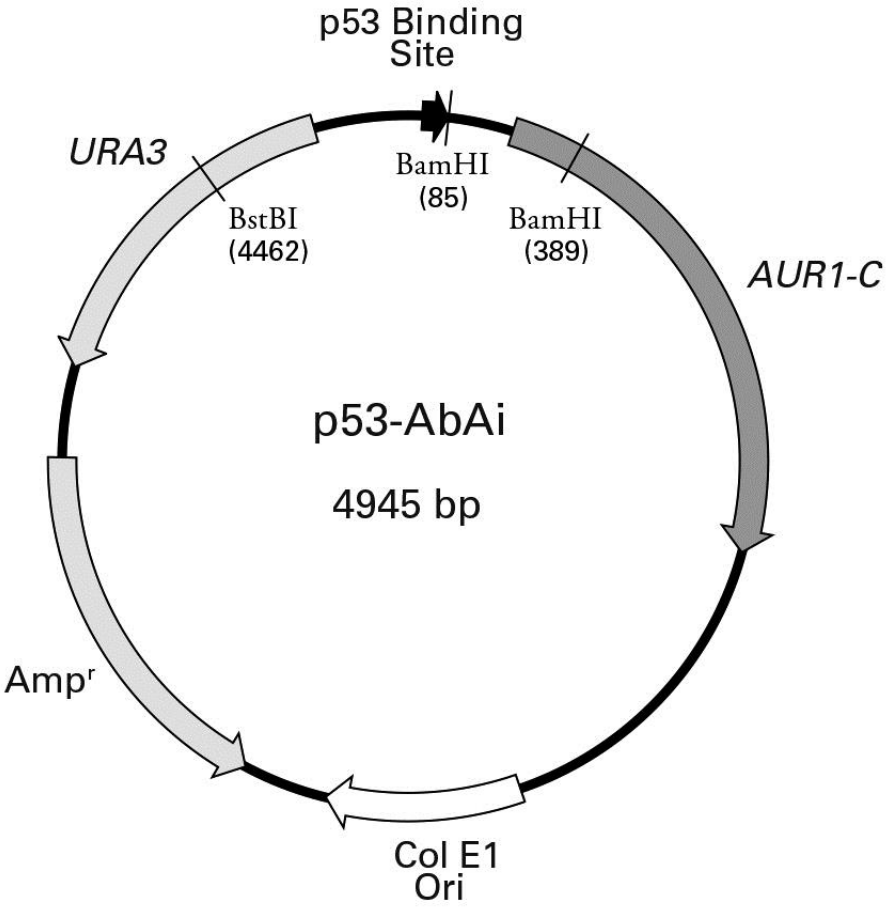

Figure 1. p53-AbAi Vector map. p53-AbAi cannot be propagated episomally in yeast; it can only be stably maintained through integration into the host genome. Integration is accomplished via homologous recombination between the vector's *URA3* gene and the nonfunctional *ura3-52* locus of the yeast strain provided in the Matchmaker® Gold Yeast One-Hybrid System. p53-AbAi is a positive control reporter vector that is designed to be used in conjunction with the autonomously replicating pGADT7-Rec vector and the p53 control cDNA provided in the Matchmaker Gold Yeast One-Hybrid Library Screening System (see the protocol in the Matchmaker Gold Yeast One-Hybrid Library Screening System User Manual [PT4087-1] for details).

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Vector Map

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Location of Features

- p53 Binding Site (3 tandem p53 consensus binding sites): 25–83
- *AUR1-C (aureobasidin A resistance gene): 235–1440*
- Col E1 origin of replication: 2209–2659
- Amp^R (ampicillin resistance gene): 2856–3716 (complementary)
- *URA3*: 3926–4728 (complementary

Propagation in *E. coli*

- Suitable host strains: DH5α and other general purpose strains
- Selectable marker: plasmid confers resistance to ampicillin (100 µg/ml) to *E. coli* hosts
- *E. coli* replication origin: Col E1
- Copy number: low

Propagation in *S. Cerevisiae*

- Suitable host strain: Y1HGold
- Selectable marker: *URA3*

NOTE: The vector sequence was compiled from information in the sequence databases, published literature, and other sources, together with partial sequences we obtained. This vector has not been completely sequenced.

Notice to Purchaser

This document has been reviewed and approved by the Quality Department.