

Vector Map

p53-AbAi Vector

Catalog No.

(Not sold separately)

Sold as a part of 630491

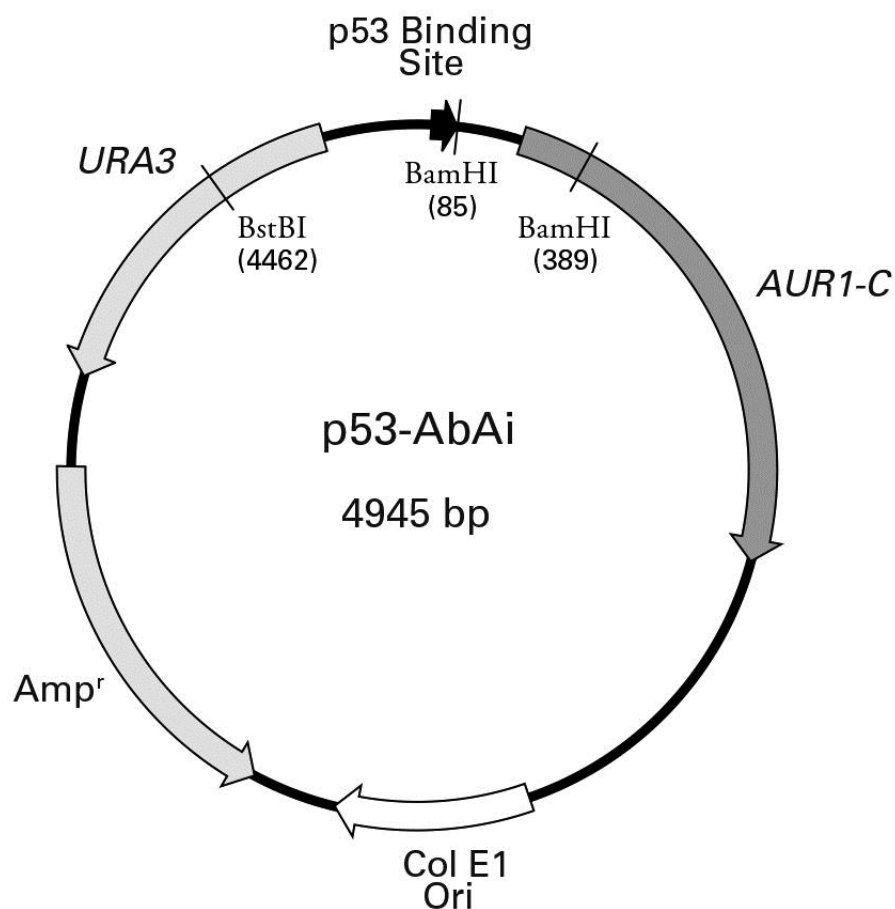


Figure 1. p53-AbAi Vector map. p53-AbAi cannot be propagated episomally in yeast; it can only be stably maintained through integration into the host genome. Integration is accomplished via homologous recombination between the vector's *URA3* gene and the nonfunctional *ura3-52* locus of the yeast strain 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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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: DH5 α and other general purpose strains
- Selectable marker: plasmid confers resistance to ampicillin (100 μ g/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.

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