

# Product Information

## Y1HGold Competent Cell

Cat. No.: **HN-1224-TT31**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

The Y1HGold strain is a common strain used in the GAL4 AbA yeast 1 hybrid system, of MAT  $\alpha$  type.

Screening markers are: *ura3*, *leu2* and reporter is AbAr.

The Y1HGold-GAL4-AbA yeast one-hybrid system requires the use of two plasmids, pAbAi and pGADT7.

The selection marker of plasmid pAbAi is URA, which is used to express pBait-AbAi construct (1 to 3 bait DNA sequences are repeated in series and cloned into pAbAi); the selection marker of plasmid pGADT7 is LEU, which is used to express the fusion protein of AD (Amino acids 768-881 at the C-terminus of GAL4) and target protein (Prev).

In addition, AbAr has the advantage of having a lower background compared to nutrient deficiency reporter genes, which can reduce the probability of Y1H false positives. Y1HGold competent cells were prepared using special techniques and can be stored at -80 °C for 12 months. The pGADT7 plasmid detection showed a transformation efficiency of  $>10^4$  cfu/ug DNA.

### Applications

Y1H interaction library screening

### Content

Y1HGold strain

Carrier DNA (10 $\mu$ g/ $\mu$ l)

PEG/LiAC

### Size

100 $\mu$ l $\times$ 10 vial/100 $\mu$ l $\times$ 50 vial

### Storage

-80°C