

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

pRS314-hUI

RRID:Addgene_11006

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/11006>

Proper Citation: RRID:Addgene_11006

Insert Name: hUI recombination system

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:4783; Vector Backbone:pRS314; Vector Types:Bacterial Expression, Yeast Expression; Bacterial Resistance:Ampicillin

Comments: The repeats of HIS3 in this plasmid contain truncations of the HIS3 gene. The first repeat is a 3' end truncation that contains the promoter and the ORF from the ATG to the internal KpnI site (used for subcloning). The second repeat is a 5' truncation that contains from the internal NdeI site (used for subcloning) to the end of the gene. Recombination of the common DNA sequence between these repeats (approx. 430 nt internal to the HIS3 ORF) reconstitutes a functional gene. Both plasmids, containing the repeats in direct orientation (hUD) or inverted orientation (hUI), have been tested for recombination with positive result.

Plasmid Name: pRS314-hUI

Relevant Mutation: Inverted repeat recombination system. Recombination reconstitutes a functional HIS3 gene

Record Creation Time: 20220422T221535+0000

Record Last Update: 20260815T080136+0000

Ratings and Alerts

No rating or validation information has been found for pRS314-hUI.

No alerts have been found for pRS314-hUI.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.