

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pBR?-?70 D581G

RRID:Addgene_53732

Type: Plasmid

Proper Citation

RRID:Addgene_53732

Plasmid Information

URL: <http://www.addgene.org/53732>

Proper Citation: RRID:Addgene_53732

Insert Name: RNAP alpha NTD (aa 1-248) fused to E. coli sigma 70 (aa 528-613)

Organism: E. coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9121589](#)

Vector Backbone Description: Vector Backbone:pBR322; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid is used in conjunction with the other Ann Hochschild Bacterial 2-hybrid system plasmids (Addgene plasmids 53730, 53731, 53732, 53733, and 53734) and must be used in the reporter strain, FW102 OL2-62 (Addgene item 53735). Please see the associated article for links to all of these plasmids:

<http://www.addgene.org/browse/article/8393/> The following articles can provide more information on using the bacterial 2-hybrid system: Dove, et al. 1997 PMID 9121589 Dove and Hochschild 1998 PMID 9499408 Deaconescu, et al. 2006 PMID 16469698 Deighan, et al. 2008 PMID 18832144 Kuznedelov, et al. 2002 PMID 11823642

Plasmid Name: pBR?-?70 D581G

Relevant Mutation: The sigma 70 moiety carries the D581G substitution

Record Creation Time: 20220422T222314+0000

Record Last Update: 20260815T081633+0000

Ratings and Alerts

No rating or validation information has been found for pBR?-?70 D581G.

No alerts have been found for pBR?-?70 D581G.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.