

# Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

[p??](#)

RRID:Addgene\_60009

Type: Plasmid

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## Proper Citation

RRID:Addgene\_60009

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## Plasmid Information

**URL:** <http://www.addgene.org/60009>

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**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:12231167](#)

**Vector Backbone Description:** Backbone Marker:R. M. Flugel 1991; Backbone Size:3800; Vector Backbone:p?? is a deleted foamy vector pHSRV13; Vector Types:deleted foamy virus; Bacterial Resistance:Ampicillin

**Comments:** ?? vectors are ""Deleted Foamy"" virus vectors that only retain essential cis-acting viral sequences. The 4 plasmids required to make ?? vectors are pCiES, pCiGS??, pCiPS, and p??. The first three plasmids are helper constructs expressing Env, Gag, and Pol respectively. p?? is a deleted foamy vector backbone with a polylinker for you to insert a transgene cassette. A description of the plasmids has been published (Trobridge et al., 2002). For additional information, please see:

<http://depts.washington.edu/dwrlab/reagents/foamy-virus-reagents/>

<http://depts.washington.edu/dwrlab/reagents/aav-serotype-reagents/>

**Plasmid Name:** p??

**Record Creation Time:** 20220422T222345+0000

**Record Last Update:** 20260815T081728+0000

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## Ratings and Alerts

No rating or validation information has been found for p??.

No alerts have been found for p??.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.