

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 17, 2026

DH10beta F' DOT sbcC (donor strain)

RRID:Addgene_12082

Type: Plasmid

Proper Citation

RRID:Addgene_12082

Plasmid Information

URL: <http://www.addgene.org/12082>

Proper Citation: RRID:Addgene_12082

Insert Name: F' Tra operon

Bacterial Resistance: Tetracycline

Defining Citation: [PMID:16141338](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:na; Vector Types:Bacterial Expression; Bacterial Resistance:Tetracycline

Comments: F' contains a transfer operon (tra) and oriT is replaced with the tetracycline-resistant gene (tetR). This modified F' can mobilize the donor plasmid but not itself. The bacterial strain is DH10beta F' DOT sbcC (donor host strain): mcrA delta(mrr-hsdRMS-mcrBC) phi80lacZdeltaM15 delta-lacX74 deoR recA1 endA1 ara-delta139 delta(ara, leu)7697 galU galK lambda- rpsL nupG tonA umuC::pir116-frt F'(lac+ pro+ delta-oriT::Tc) sbcC::Frt.

Plasmid Name: DH10beta F' DOT sbcC (donor strain)

Record Creation Time: 20220422T221632+0000

Record Last Update: 20260912T091650+0000

Ratings and Alerts

No rating or validation information has been found for DH10beta F' DOT sbcC (donor strain).

No alerts have been found for DH10beta F' DOT sbcC (donor strain).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.