

Resource Summary Report

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pTDpelB-C_sfYFPTwinStrep

RRID:Addgene_45944

Type: Plasmid

Proper Citation

RRID:Addgene_45944

Plasmid Information

URL: <http://www.addgene.org/45944>

Proper Citation: RRID:Addgene_45944

Insert Name: synthetic sfYFP (codon usage adapted to P.putida KT2440)

Organism: Aequorea victoria

Bacterial Resistance: Streptomycin

Defining Citation: [PMID:23687945](#)

Vector Backbone Description: Backbone Marker:Dammeyer et al. 2013; Vector Backbone:pTDpelB-CTwinStrep; Vector Types:Bacterial Expression; Bacterial Resistance:Streptomycin

Comments: This plasmid was tested in the Gram-negative soil bacterium *Pseudomonas putida* KT2440 and *Escherichia coli* K12 and is especially suited for protein production, affinity purification, protein complex copurification with SPINE (Strep Protein Interaction Experiments) or (co-)localization studies. Due to the broad host range of the RK2 origin of replication, the plasmid facilitates experimental verification of hypothetical proteins and protein production yield assessment in different expression hosts possibly including new isolates. The Supplementary Table S1 in the following publication lists approximately 30 strains in which the RK2 origin of replication should be functional. Silva-Rocha et al., The Standard European Vector Architecture (SEVA): a coherent platform for the analysis and deployment of complex prokaryotic phenotypes. *Nucleic Acids Research* 2013, 41:D666-675. <http://nar.oxfordjournals.org/content/41/D1/D666.long>

Plasmid Name: pTDpelB-C_sfYFPTwinStrep

Record Creation Time: 20220422T222237+0000

Record Last Update: 20260808T081719+0000

Ratings and Alerts

No rating or validation information has been found for pTDpelB-C_sfYFPTwinStrep.

No alerts have been found for pTDpelB-C_sfYFPTwinStrep.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.