Resource Summary Report

Generated by RRID on Aug 17, 2026

pTD-NStrepHis

RRID:Addgene_45936
Type: Plasmid

Proper Citation

RRID:Addgene_45936

Plasmid Information

URL: http://www.addgene.org/45936

Proper Citation: RRID:Addgene_45936

Bacterial Resistance: Streptomycin

Defining Citation: PMID:23687945

Vector Backbone Description: Backbone Marker:SEVA (de Lorenzo Lab); Vector Backbone:pSEVA424; 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: pTD-NStrepHis

Record Creation Time: 20220422T222237+0000

Record Last Update: 20260815T081527+0000

Ratings and Alerts

No rating or validation information has been found for pTD-NStrepHis.

No alerts have been found for pTD-NStrepHis.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Mutyala S, et al. (2023) Citrate Synthase Overexpression of Pseudomonas putida Increases Succinate Production from Acetate in Microaerobic Cultivation. ACS omega, 8(29), 26231.