Resource Summary Report

Generated by RRID on Aug 17, 2026

pET StrepII TEV co-transformation cloning vector (13S-R)

RRID:Addgene_48328
Type: Plasmid

Proper Citation

RRID:Addgene_48328

Plasmid Information

URL: http://www.addgene.org/48328

Proper Citation: RRID:Addgene_48328

Bacterial Resistance: Spectinomycin

Vector Backbone Description: Backbone Size:3630; Vector Backbone:pET; Vector Types:Bacterial Expression; Bacterial Resistance:Spectinomycin

Comments: This plasmid is an empty vector to be used with a LIC cloning protocol. It has a TEV cleavable StrepII fusion tag on the N-terminus and a Spec resistance. To clone into this vector, add LIC fusion tags to the 5' end of your PCR primers. Forward - 5'TACTTCCAATCCAATGCA3' Reverse - 5'TTATCCACTTCCAATGTTATTA3' Linearize the plasmid with SspI and gel purify. When digesting the DNA with T4 polymerase for LIC, use dCTP for insert and dGTP for vector. The 13-series vectors were designed to enable rapid cloning for a co-expression system. Vectors are based on Novagen's Duet system. Each gene is expressed on its own vector, which has been optimized so that each gene expresses at approximately equal levels. The 13-series vectors are all compatible with 2-series transfer vectors, so if cotransformation fails, there is a readily available backup in polycistronic expression. 13S CDF origin SpecR13K ColA origin KanR2-series transfer ColE1 origin AmpR13S vectors must be cotransformed with a 2-series vector for optimal expression (that is, the presence of an empty 2A-T vector enhances expression of a gene in 13S). For triple expressions, the proteins all seem to express at approximately equal levels. Genes in the CDF vector consistently express at very slightly lower levels, so if you're trying to pull down stoichiometric complexes, it's probably best to put His6-fusion protein in this vector. More information on this vector can be found through http://qb3.berkeley.edu/qb3/macrolab/

Plasmid Name: pET StrepII TEV co-transformation cloning vector (13S-R)

Record Creation Time: 20220422T222248+0000

Record Last Update: 20260815T081549+0000

Ratings and Alerts

No rating or validation information has been found for pET StrepII TEV co-transformation cloning vector (13S-R).

No alerts have been found for pET StrepII TEV co-transformation cloning vector (13S-R).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Sahoo A, et al. (2025) Cellular engineering strategies for soluble and secretory recombinant human insulin production in Pseudomonas fluorescens and batch bioreactor study. Journal of biotechnology, 406, 1.

Nimkar S, et al. (2020) Cas3/I-C mediated target DNA recognition and cleavage during CRISPR interference are independent of the composition and architecture of Cascade surveillance complex. Nucleic acids research, 48(5), 2486.

Yoganand KN, et al. (2019) Fidelity of prespacer capture and processing is governed by the PAM-mediated interactions of Cas1-2 adaptation complex in CRISPR-Cas type I-E system. The Journal of biological chemistry, 294(52), 20039.

Yoganand KN, et al. (2017) Asymmetric positioning of Cas1-2 complex and Integration Host Factor induced DNA bending guide the unidirectional homing of protospacer in CRISPR-Cas type I-E system. Nucleic acids research, 45(1), 367.