

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pET28a-At-TRL

RRID:Addgene_32242

Type: Plasmid

Proper Citation

RRID:Addgene_32242

Plasmid Information

URL: <http://www.addgene.org/32242>

Proper Citation: RRID:Addgene_32242

Insert Name: A. thaliana tRNA ligase

Organism: Arabidopsis thaliana

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:20075163](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5255; Vector Backbone:pET28a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: We have found that this protein expresses best in the BL21 (DE3) RIPL cells from Stratagene. Standard BL21 (DE3) strains that lack tRNAs for rare codons do not work well (or at all).

Plasmid Name: pET28a-At-TRL

Record Creation Time: 20220422T222140+0000

Record Last Update: 20260815T081344+0000

Ratings and Alerts

No rating or validation information has been found for pET28a-At-TRL.

No alerts have been found for pET28a-At-TRL.

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](#) .

Olzog VJ, et al. (2021) cyPhyRNA-seq: a genome-scale RNA-seq method to detect active self-cleaving ribozymes by capturing RNAs with 2',3' cyclic phosphates and 5' hydroxyl ends. RNA biology, 18(sup2), 818.