

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

pET21a-His-IleRS

RRID:Addgene_124112

Type: Plasmid

Proper Citation

RRID:Addgene_124112

Plasmid Information

URL: <http://www.addgene.org/124112>

Proper Citation: RRID:Addgene_124112

Insert Name: Isoleucyl-tRNA ligase

Organism: Escherichia coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11479568](#)

Vector Backbone Description: Vector Backbone:pET21a(+); Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: It is recommended to screen DNA preps from multiple colonies by Sanger sequencing, as this plasmid may be prone to deletions in the promoter region.

Plasmid Name: pET21a-His-IleRS

Record Creation Time: 20220422T221650+0000

Record Last Update: 20260801T080153+0000

Ratings and Alerts

No rating or validation information has been found for pET21a-His-IleRS.

No alerts have been found for pET21a-His-IleRS.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Yadav S, et al. (2025) ATP Regeneration from Pyruvate in the PURE System. ACS synthetic biology, 14(1), 247.

Harding CJ, et al. (2021) Bypassing the requirement for aminoacyl-tRNA by a cyclodipeptide synthase enzyme. RSC chemical biology, 2(1), 230.