

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

[PyIRS-AS](#)

RRID:Addgene_137908

Type: Plasmid

Proper Citation

RRID:Addgene_137908

Plasmid Information

URL: <http://www.addgene.org/137908>

Proper Citation: RRID:Addgene_137908

Insert Name: Pyrrolsyl-tRNA synthetase/pyrrolsyl -tRNA pair

Organism: Methanosarcina mazei

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:27711380](#)

Vector Backbone Description: Vector Backbone:pEVOL; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol

Plasmid Name: PyIRS-AS

Relevant Mutation: Containing N346A, C348S mutations

Record Creation Time: 20220422T221758+0000

Record Last Update: 20260815T080617+0000

Ratings and Alerts

No rating or validation information has been found for PyIRS-AS.

No alerts have been found for PyIRS-AS.

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](#) .

Pagar AD, et al. (2022) Non-Canonical Amino Acid-Based Engineering of (R)-Amine Transaminase. *Frontiers in chemistry*, 10, 839636.