

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 2, 2026

pJK689

RRID:Addgene_71642

Type: Plasmid

Proper Citation

RRID:Addgene_71642

Plasmid Information

URL: <http://www.addgene.org/71642>

Proper Citation: RRID:Addgene_71642

Insert Name: phosphoribosylaminoimidazole carboxylase

Organism: Treponema denticola

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:3666; Vector Backbone:pET23a; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: This protein is based on the one referenced in NCBI WP_002681904.1, which is incorrectly annotated as a N5-carboxyaminoimidazole ribonucleotide mutase. Functional expression studies show that the active form does not possess this activity and it instead has the characteristic reactivity of a class II PurE or 5-aminoimidazole ribonucleotide (AIR) carboxylase

Plasmid Name: pJK689

Relevant Mutation: changes serine-38 to asparagine, phenylalanine-79 to tryptophan

Record Creation Time: 20220422T222441+0000

Record Last Update: 20260902T050051+0000

Ratings and Alerts

No rating or validation information has been found for pJK689.

No alerts have been found for pJK689.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.