Resource Summary Report

Generated by RRID on Aug 24, 2026

pSecUAG-Evol2

RRID:Addgene_163148
Type: Plasmid

Proper Citation

RRID:Addgene_163148

Plasmid Information

URL: http://www.addgene.org/163148

Proper Citation: RRID:Addgene_163148

Insert Name: allo-tRNA UTu2D

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: PMID:29631320

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:3500; Vector Backbone:pBAD-myc-HisA; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: For additional information and the protocol for using this plasmid, please see: https://doi.org/10.1002/cpz1.54

Plasmid Name: pSecUAG-Evol2

Record Creation Time: 20220422T221922+0000

Record Last Update: 20260815T080909+0000

Ratings and Alerts

No rating or validation information has been found for pSecUAG-Evol2.

No alerts have been found for pSecUAG-Evol2.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Jia X, et al. (2026) NAD+ hydrolysis catalyzed by SelO is required for mitochondrial homeostasis. Cell, 189(9), 2633.

Cain A, et al. (2024) Overcoming Challenges with Biochemical Studies of Selenocysteine and Selenoproteins. International journal of molecular sciences, 25(18).

Chung CZ, et al. (2022) Using selenocysteine-specific reporters to screen for efficient tRNASec variants. Methods in enzymology, 662, 63.

Evans RM, et al. (2021) Selective cysteine-to-selenocysteine changes in a [NiFe]-hydrogenase confirm a special position for catalysis and oxygen tolerance. Proceedings of the National Academy of Sciences of the United States of America, 118(13).

Chung CZ, et al. (2021) Introducing Selenocysteine into Recombinant Proteins in Escherichia coli. Current protocols, 1(2), e54.