Resource Summary Report

Generated by dkNET on Aug 31, 2026

Strain: C321.?A

RRID:Addgene_68306
Type: Plasmid

Proper Citation

RRID:Addgene_68306

Plasmid Information

URL: http://www.addgene.org/68306

Proper Citation: RRID:Addgene_68306

Insert Name: None

Bacterial Resistance: Bleocin (Zeocin)

Defining Citation: PMID:26350500

Vector Backbone Description: Vector Backbone:None; Vector Types:; Bacterial Resistance:Bleocin (Zeocin)

Comments: Derived from Lajoie, et. al., Genomically recoded organisms expand biological functions, Science, 2013, with the following genomic modifications: ?mutS:zeo, ?tolC, ?bla:tolC, SerB-/?SerB

Plasmid Name: Strain: C321.?A

Record Creation Time: 20220422T222425+0000

Record Last Update: 20260829T080915+0000

Ratings and Alerts

No rating or validation information has been found for Strain: C321.?A.

No alerts have been found for Strain: C321.?A.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Anastasakis DG, et al. (2024) Nuclear PKM2 binds pre-mRNA at folded G-quadruplexes and reveals their gene regulatory role. Molecular cell, 84(19), 3775.

Perez-Pepe M, et al. (2023) 7SK methylation by METTL3 promotes transcriptional activity. Science advances, 9(19), eade7500.

Hou J, et al. (2022) Toward efficient multiple-site incorporation of unnatural amino acids using cell-free translation system. Synthetic and systems biotechnology, 7(1), 522.

Chen X, et al. (2021) A linear DNA template-based framework for site-specific unnatural amino acid incorporation. Synthetic and systems biotechnology, 6(3), 192.

Palani S, et al. (2020) Phosphoregulation of tropomyosin-actin interaction revealed using a genetic code expansion strategy. Wellcome open research, 5, 161.

Di Mattia T, et al. (2020) FFAT motif phosphorylation controls formation and lipid transfer function of inter-organelle contacts. The EMBO journal, 39(23), e104369.

Mohler K, et al. (2019) Expression of authentic post-translationally modified proteins in organisms with expanded genetic codes. Methods in enzymology, 626, 539.

Gassaway BM, et al. (2019) Distinct Hepatic PKA and CDK Signaling Pathways Control Activity-Independent Pyruvate Kinase Phosphorylation and Hepatic Glucose Production. Cell reports, 29(11), 3394.

Niemi NM, et al. (2019) Pptc7 is an essential phosphatase for promoting mammalian mitochondrial metabolism and biogenesis. Nature communications, 10(1), 3197.

Barber KW, et al. (2018) Kinase Substrate Profiling Using a Proteome-wide Serine-Oriented Human Peptide Library. Biochemistry, 57(31), 4717.

Barber KW, et al. (2018) Encoding human serine phosphopeptides in bacteria for proteome-wide identification of phosphorylation-dependent interactions. Nature biotechnology, 36(7), 638.

Guo X, et al. (2017) Ptc7p Dephosphorylates Select Mitochondrial Proteins to Enhance Metabolic Function. Cell reports, 18(2), 307.

Barber KW, et al. (2017) Expression of Recombinant Phosphoproteins for Signal Transduction Studies. Methods in molecular biology (Clifton, N.J.), 1636, 71.