Resource Summary Report

Generated by RRID on Aug 19, 2026

pBEST-OR2-OR1-Pr-UTR1-deGFP-T500

RRID:Addgene_40019
Type: Plasmid

Proper Citation

RRID:Addgene_40019

Plasmid Information

URL: http://www.addgene.org/40019

Proper Citation: RRID:Addgene_40019

Insert Name: deGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:20576148

Vector Backbone Description: Backbone Marker:Promega; Vector Backbone:pBEST-Luc; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pBEST-OR2-OR1-Pr-UTR1-deGFP-T500

Record Creation Time: 20220422T222208+0000

Record Last Update: 20260815T081432+0000

Ratings and Alerts

No rating or validation information has been found for pBEST-OR2-OR1-Pr-UTR1-deGFP-T500.

No alerts have been found for pBEST-OR2-OR1-Pr-UTR1-deGFP-T500.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Kaufmann A, et al. (2025) Regulating Protein Immobilization During Cell-Free Protein Synthesis in Hyaluronan Microgels. Advanced biology, 9(5), e2400668.

Romantseva E, et al. (2022) Effects of DNA template preparation on variability in cell-free protein production. Synthetic biology (Oxford, England), 7(1), ysac015.

Soudier P, et al. (2022) Cell-Free Biosensors and AI Integration. Methods in molecular biology (Clifton, N.J.), 2433, 303.

Romantseva EF, et al. (2022) Best Practices for DNA Template Preparation Toward Improved Reproducibility in Cell-Free Protein Production. Methods in molecular biology (Clifton, N.J.), 2433, 3.

Finkler M, et al. (2021) Full incorporation of the noncanonical amino acid hydroxylysine as a surrogate for lysine in green fluorescent protein. Bioorganic & medicinal chemistry, 41, 116207.

Worst EG, et al. (2021) A Methylation-Directed, Synthetic Pap Switch Based on Self-Complementary Regulatory DNA Reconstituted in an All E. coli Cell-Free Expression System. ACS synthetic biology, 10(10), 2725.

Norouzi M, et al. (2021) High-Efficiency Protection of Linear DNA in Cell-Free Extracts from Escherichia coli and Vibrio natriegens. ACS synthetic biology, 10(7), 1615.

Contreras-Llano LE, et al. (2020) Holistic engineering of cell-free systems through proteome-reprogramming synthetic circuits. Nature communications, 11(1), 3138.

Tonooka T, et al. (2020) Microfluidic Device with an Integrated Freeze-Dried Cell-Free Protein Synthesis System for Small-Volume Biosensing. Micromachines, 12(1).

Finkler M, et al. (2019) Bead-based assay for spatiotemporal gene expression control in cell-free transcription-translation systems. BioTechniques, 66(1), 29.

Voyvodic PL, et al. (2019) Plug-and-play metabolic transducers expand the chemical detection space of cell-free biosensors. Nature communications, 10(1), 1697.

Schlesinger O, et al. (2018) Electron transfer rate analysis of a site-specifically wired copper oxidase. Physical chemistry chemical physics : PCCP, 20(9), 6159.

Failmezger J, et al. (2018) Cell-Free Protein Synthesis From Fast-Growing Vibrio natriegens. Frontiers in microbiology, 9, 1146.

Maxwell CS, et al. (2018) A detailed cell-free transcription-translation-based assay to decipher CRISPR protospacer-adjacent motifs. Methods (San Diego, Calif.), 143, 48.

Shi X, et al. (2018) Optimization of ClpXP activity and protein synthesis in an E. coli extract-based cell-free expression system. Scientific reports, 8(1), 3488.

Failmezger J, et al. (2017) Cell-free protein synthesis from non-growing, stressed Escherichia coli. Scientific reports, 7(1), 16524.

Schenkelberger M, et al. (2017) Expression regulation by a methyl-CpG binding domain in an E. coli based, cell-free TX-TL system. Physical biology, 14(2), 026002.

Bar-Yaacov D, et al. (2016) Mitochondrial 16S rRNA Is Methylated by tRNA Methyltransferase TRMT61B in All Vertebrates. PLoS biology, 14(9), e1002557.

Chemla Y, et al. (2015) Genetically expanded cell-free protein synthesis using endogenous pyrrolysyl orthogonal translation system. Biotechnology and bioengineering, 112(8), 1663.

Sun ZZ, et al. (2013) Protocols for implementing an Escherichia coli based TX-TL cell-free expression system for synthetic biology. Journal of visualized experiments : JoVE(79), e50762.