Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

pCAGGS-PHFF-sh-mBVRA

RRID:Addgene_100286
Type: Plasmid

Proper Citation

RRID:Addgene_100286

Plasmid Information

URL: http://www.addgene.org/100286

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Insert Name: MTS-PcyA-FLAG-P2A-MTS-HA-HO1-P2A-MTS-Myc-Fd-P2A-MTS-Fnr-T7 (synthetic genes)

Organism: Thermosynechococcus elongatus bp-1 for PcyA and HO1, and Synechocystis sp. PCC 6803 for Fd and Fnr.

Bacterial Resistance: Ampicillin

Defining Citation: PMID:29078307

Vector Backbone Description: Backbone Marker:Junichi Miyazaki (Osaka University, Japan); Backbone Size:4870; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Expression vector for Phycocyanobilin (PCB) synthesis in mammalian cells. In addition, shRNA targeting to mouse BVRA is expressed so that PCB is further accumulated.

Plasmid Name: pCAGGS-PHFF-sh-mBVRA

Relevant Mutation: All genes are codon-optimized for expression in human cells.

Record Creation Time: 20220422T221447+0000

Record Last Update: 20260808T080302+0000

Ratings and Alerts

No rating or validation information has been found for pCAGGS-PHFF-sh-mBVRA.

No alerts have been found for pCAGGS-PHFF-sh-mBVRA.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.