

Resource Summary Report

Generated by [kravitz2](#) on Aug 25, 2026

pU6-(BbsI)_CBh-Cas9-T2A-mcherry-P2A-Ad4E1B

RRID:Addgene_64221

Type: Plasmid

Proper Citation

RRID:Addgene_64221

Plasmid Information

URL: <http://www.addgene.org/64221>

Proper Citation: RRID:Addgene_64221

Insert Name: Cas9

Organism: Streptococcus pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25803306](#)

Vector Backbone Description: Backbone Marker:Kuhn lab (Addgene plasmid # 64324); Vector Backbone:pU6-(BbsI)_CBh-Cas9-T2A-mCherry; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Please note that due to the presence of BbsI sites in the Ad4 coding regions it is NOT possible to directly clone new sgRNA sequences into the BbsI sites downstream of the U6 promoter. Therefore, precloned U6-sgRNA cassettes, isolated as 1.7 kb PvuI-XbaI fragments from pU6-(BbsI)_CBh-Cas9-T2A-BFP (plasmid# 64323) or pU6-(BbsI)_CBh-Cas9-T2A-mCherry (plasmid# 64324) of this deposit, or any other plasmid derived from pX330 (plasmid# 42230), must be ligated into the PvuI-XbaI digested backbone of this Ad4 containing plasmid.

Plasmid Name: pU6-(BbsI)_CBh-Cas9-T2A-mcherry-P2A-Ad4E1B

Record Creation Time: 20220422T222408+0000

Record Last Update: 20260815T081809+0000

Ratings and Alerts

No rating or validation information has been found for pU6-(BbsI)_CBh-Cas9-T2A-mcherry-P2A-Ad4E1B.

No alerts have been found for pU6-(BbsI)_CBh-Cas9-T2A-mcherry-P2A-Ad4E1B.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Tsai LK, et al. (2023) ZSCAN4 interacts with PARP1 to promote DNA repair in mouse embryonic stem cells. Cell & bioscience, 13(1), 193.