

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pYPQ292 (AaCas12b)-D570A-TV-MS2-VPR

RRID:Addgene_136382

Type: Plasmid

Proper Citation

RRID:Addgene_136382

Plasmid Information

URL: <http://www.addgene.org/136382>

Proper Citation: RRID:Addgene_136382

Insert Name: AaCas12b (D570A)-TV-T2A-MCP-VPR

Organism: Alicyclobacillus acidiphilus

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:32170285](#)

Vector Backbone Description: Vector Backbone:pYPQ167; Vector Types:Plant Expression, CRISPR; Bacterial Resistance:Spectinomycin

Comments: TV activation system is from: Li, Z., Zhang, D., Xiong, X. et al. A potent Cas9-derived gene activator for plant and mammalian cells. Nature Plants 3, 930–936 (2017) doi:10.1038/s41477-017-0046-3; VPR activation system is from: Chavez A, Scheiman J, Vora S, Pruitt BW, Tuttle M, E PRI, et al. Highly efficient Cas9-mediated transcriptional programming. Nat Methods. 2015;12(4):326–8. 10.1038/nmeth.3312

Plasmid Name: pYPQ292 (AaCas12b)-D570A-TV-MS2-VPR

Relevant Mutation: D570A

Record Creation Time: 20220422T221752+0000

Record Last Update: 20260725T073901+0000

Ratings and Alerts

No rating or validation information has been found for pYPQ292 (AaCas12b)-D570A-TV-MS2-VPR.

No alerts have been found for pYPQ292 (AaCas12b)-D570A-TV-MS2-VPR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.