

Resource Summary Report

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

pMOD4-mT2A-mutated_rpsL-BSD-F

RRID:Addgene_182338

Type: Plasmid

Proper Citation

RRID:Addgene_182338

Plasmid Information

URL: <http://www.addgene.org/182338>

Proper Citation: RRID:Addgene_182338

Insert Name: BSD

Organism: Synthetic

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Alfred L. Fisher; Vector Backbone:pMOD4-galK-G; Vector Types:Bacterial Expression, Mouse Targeting, FLP / FRT; Bacterial Resistance:Ampicillin

Comments: PCR amplify around the 5' T2A and 3' FRT site, making sure to add a PacI site at the 3' of the FRT site. As suggested in the plasmid name, due to a PCR error, the rpsL open reading frame has a 1-bp deletion that results in a frame shift and as a consequence premature stop codons. Despite this, the downstream BSD open reading frame is translated from the bicistronic RNA in E. coli without problems. These mean that the mutated rpsL cannot be used for streptomycin counterselection, but the unmutated BSD can and was successfully used several times to confer blasticidin resistance for selection after recombineering.

Plasmid Name: pMOD4-mT2A-mutated_rpsL-BSD-F

Record Creation Time: 20220422T222038+0000

Record Last Update: 20260725T074356+0000

Ratings and Alerts

No rating or validation information has been found for pMOD4-mT2A-mutated_rpsL-BSD-F.

No alerts have been found for pMOD4-mT2A-mutated_rpsL-BSD-F.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.