

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pLL7.0: mTiam1(64-437)-tgRFPT-SSPB R73Q

RRID:Addgene_60418

Type: Plasmid

Proper Citation

RRID:Addgene_60418

Plasmid Information

URL: <http://www.addgene.org/60418>

Proper Citation: RRID:Addgene_60418

Insert Name: mTiam1-tgRFPT-SSPB R73Q

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25535392](#)

Vector Backbone Description: Vector Backbone:pLentiLox7.0; Vector Types:Mammalian Expression, Lentiviral, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: The SspB used in this construct contains two amino acid mutations that disrupt the natural dimerization of SspB. These mutations are Y11K and A15E (residue numbering from pdb code 1ou9). Here is the sequence around the mutated residues with the sites of mutation in parentheses: SSPKRP(K)LLR(E)YYDWLVDNS

Plasmid Name: pLL7.0: mTiam1(64-437)-tgRFPT-SSPB R73Q

Relevant Mutation: mTiam 64-437 // SSPB R73Q, Y11K and A15E

Record Creation Time: 20220422T222347+0000

Record Last Update: 20260815T081732+0000

Ratings and Alerts

No rating or validation information has been found for pLL7.0: mTiam1(64-437)-tgRFPT-SSPB R73Q.

No alerts have been found for pLL7.0: mTiam1(64-437)-tgRFPT-SSPB R73Q.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Parker SS, et al. (2023) EVL and MIM/MTSS1 regulate actin cytoskeletal remodeling to promote dendritic filopodia in neurons. The Journal of cell biology, 222(5).

Natwick DE, et al. (2021) Optimized iLID Membrane Anchors for Local Optogenetic Protein Recruitment. ACS synthetic biology, 10(5), 1009.

Nijenhuis W, et al. (2020) An optimized toolbox for the optogenetic control of intracellular transport. The Journal of cell biology, 219(4).