

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pQE-80L MBP-SspB Micro

RRID:Addgene_60410

Type: Plasmid

Proper Citation

RRID:Addgene_60410

Plasmid Information

URL: <http://www.addgene.org/60410>

Proper Citation: RRID:Addgene_60410

Insert Name: SspB micro

Organism: E. Coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25535392](#)

Vector Backbone Description: Backbone Marker:Qiagen; Backbone Size:5979; Vector Backbone:pQE-80L; Vector Types:Bacterial Expression; 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: pQE-80L MBP-SspB Micro

Relevant Mutation: 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 pQE-80L MBP-SspB Micro.

No alerts have been found for pQE-80L MBP-SspB Micro.

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](#) .

Banks RA, et al. (2023) Motor processivity and speed determine structure and dynamics of microtubule-motor assemblies. eLife, 12.

Nguyen NT, et al. (2021) Nano-optogenetic engineering of CAR T cells for precision immunotherapy with enhanced safety. Nature nanotechnology, 16(12), 1424.

Lasker K, et al. (2020) Selective sequestration of signalling proteins in a membraneless organelle reinforces the spatial regulation of asymmetry in *Caulobacter crescentus*. Nature microbiology, 5(3), 418.