

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pLL7.0: hITSN1(1159-1509)-tgRFpT-SSPB R73Q

RRID:Addgene_60420

Type: Plasmid

Proper Citation

RRID:Addgene_60420

Plasmid Information

URL: <http://www.addgene.org/60420>

Proper Citation: RRID:Addgene_60420

Insert Name: hITSN1-tgRFpT-SSPB

Organism: Homo sapiens

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)YYDWLV DNS

Plasmid Name: pLL7.0: hITSN1(1159-1509)-tgRFpT-SSPB R73Q

Relevant Mutation: hITSN 1159-1509 // SSPB R73Q, Y11K and A15E

Record Creation Time: 20220422T222347+0000

Record Last Update: 20260725T074926+0000

Ratings and Alerts

No rating or validation information has been found for pLL7.0: hITSN1(1159-1509)-tgRFpT-SSPB R73Q.

No alerts have been found for pLL7.0: hITSN1(1159-1509)-tgRFpT-SSPB R73Q.

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 [NIF](#) .

O'Neill PR, et al. (2016) Subcellular optogenetic activation of Cdc42 controls local and distal signaling to drive immune cell migration. Molecular biology of the cell, 27(9), 1442.