

# Resource Summary Report

Generated by [dkNET](#) on Aug 20, 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)YYDWLVDNS

**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:** 20260815T081732+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.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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.