

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

## pHS0570 pET45b(+) T7/LacO His14-MBP-bdSUMO-CRISPR associated IscB-TwinStrep

RRID:Addgene\_176534

Type: Plasmid

### Proper Citation

RRID:Addgene\_176534

### Plasmid Information

**URL:** <http://www.addgene.org/176534>

**Proper Citation:** RRID:Addgene\_176534

**Insert Name:** CRISPR-associated IscB (Delaware Bay metagenome)

**Organism:** E. coli, Brachypodium distachyon, Delaware Bay metagenome

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:34591643](#)

**Vector Backbone Description:** Backbone Size:5062; Vector Backbone:pET45b(+); Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** pHS0570 pET45b(+) T7/LacO His14-MBP-bdSUMO-CRISPR associated IscB-TwinStrep

**Record Creation Time:** 20220422T222020+0000

**Record Last Update:** 20260808T081306+0000

### Ratings and Alerts

No rating or validation information has been found for pHS0570 pET45b(+) T7/LacO His14-MBP-bdSUMO-CRISPR associated IscB-TwinStrep.

No alerts have been found for pHS0570 pET45b(+) T7/LacO His14-MBP-bdSUMO-CRISPR associated IscB-TwinStrep.

### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Thawani A, et al. (2025) Structures of vertebrate R2 retrotransposon complexes during target-primed reverse transcription and after second-strand nicking. Science advances, 11(25), eadu5533.

Park JE, et al. (2025) Attenuated Nuclear Tension Regulates Progerin-Induced Mechanosensitive Nuclear Wrinkling and Chromatin Remodeling. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(31), e2502375.