

Resource Summary Report

Generated by [NIF](#) on Aug 11, 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](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

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.