

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 21, 2026

[pet30b-7M SrtA](#)

RRID:Addgene_51141

Type: Plasmid

Proper Citation

RRID:Addgene_51141

Plasmid Information

URL: <http://www.addgene.org/51141>

Proper Citation: RRID:Addgene_51141

Insert Name: S.aureus SrtA 7M

Organism: S.aureus

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5421; Vector Backbone:pET30b; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pet30b-7M SrtA

Relevant Mutation: P94R, E105K, E108Q, D160N, D165A, K190E, K196T

Record Creation Time: 20220422T222301+0000

Record Last Update: 20260815T081614+0000

Ratings and Alerts

No rating or validation information has been found for pet30b-7M SrtA.

No alerts have been found for pet30b-7M SrtA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Seo M, et al. (2025) Structural and dynamic basis of Ssp4-mediated DNA protection in foodborne bacterial spores. *Scientific reports*, 15(1), 37299.

Harold RL, et al. (2024) Isoform-specific C-terminal phosphorylation drives autoinhibition of Casein Kinase 1. *bioRxiv : the preprint server for biology*.

Kueck AF, et al. (2024) Alternating binding and p97-mediated dissociation of SDS22 and I3 recycles active PP1 between holophosphatases. *Proceedings of the National Academy of Sciences of the United States of America*, 121(36), e2408787121.

Machin DC, et al. (2024) Sortase-Modified Cholera Toxoids Show Specific Golgi Localization. *Toxins*, 16(4).

Mashaghi A, et al. (2022) Direct observation of Hsp90-induced compaction in a protein chain. *Cell reports*, 41(9), 111734.

Teunissen AJP, et al. (2021) Employing nanobodies for immune landscape profiling by PET imaging in mice. *STAR protocols*, 2(2), 100434.

Boyko KV, et al. (2021) Sortase-mediated segmental labeling: A method for segmental assignment of intrinsically disordered regions in proteins. *PloS one*, 16(10), e0258531.

van den Boom J, et al. (2021) Targeted substrate loop insertion by VCP/p97 during PP1 complex disassembly. *Nature structural & molecular biology*, 28(12), 964.

Baranova N, et al. (2020) Diffusion and capture permits dynamic coupling between treadmilling FtsZ filaments and cell division proteins. *Nature microbiology*, 5(3), 407.

Nemec AA, et al. (2020) A suite of polymerase chain reaction-based peptide tagging plasmids for epitope-targeted enzymatic functionalization of yeast proteins. *Yeast (Chichester, England)*, 37(5-6), 327.

Huis In 't Veld PJ, et al. (2019) Molecular determinants of the Ska-Ndc80 interaction and their influence on microtubule tracking and force-coupling. *eLife*, 8.

Arkenberg MR, et al. (2019) Dynamic control of hydrogel crosslinking via sortase-mediated reversible transpeptidation. *Acta biomaterialia*, 83, 83.

van Moorsel MVA, et al. (2019) A head-to-head comparison of conjugation methods for VHHs: Random maleimide-thiol coupling versus controlled click chemistry. *International journal of pharmaceutics*: X, 1, 100020.

Dillard KE, et al. (2019) Sortase-mediated fluorescent labeling of CRISPR complexes. *Methods in enzymology*, 616, 43.

Tang M, et al. (2019) New Engineered-Botulinum Toxins Inhibit the Release of Pain-Related Mediators. *International journal of molecular sciences*, 21(1).

Volkov VA, et al. (2018) Multivalency of NDC80 in the outer kinetochore is essential to track shortening microtubules and generate forces. *eLife*, 7.

Dillard KE, et al. (2018) Assembly and Translocation of a CRISPR-Cas Primed Acquisition Complex. *Cell*, 175(4), 934.

Freitag CM, et al. (2017) Host cell binding of the flagellar tip protein of *Campylobacter jejuni*. *Cellular microbiology*, 19(6).

Arkenberg MR, et al. (2017) Orthogonal enzymatic reactions for rapid crosslinking and dynamic tuning of PEG-peptide hydrogels. *Biomaterials science*, 5(11), 2231.

Witte MD, et al. (2015) Site-specific protein modification using immobilized sortase in batch and continuous-flow systems. *Nature protocols*, 10(3), 508.