

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pTSA-C

RRID:Addgene_17329

Type: Plasmid

Proper Citation

RRID:Addgene_17329

Plasmid Information

URL: <http://www.addgene.org/17329>

Proper Citation: RRID:Addgene_17329

Insert Name: streptavidin

Organism: Streptomyces avidinii

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11716692](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:4600; Vector Backbone:pET-3a; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: A PCR-based site-directed mutagenesis method was used to modify the coding sequence of pTSA-13. A DNA sequence encoding six amino acid residues with a translation termination codon, GGT GGT TCT GGT TGC CCG TAG (Gly-Gly-Ser-Gly-Cys-Pro-Stop), was fused to the codon for Val-133 (GTG). The entire coding sequence was cloned between the NdeI and BamHI sites of the plasmid pET-3a under the control of the promoter of bacteriophage T7.

Plasmid Name: pTSA-C

Relevant Mutation: Truncated to include only amino acids 16-133 of mature streptavidin. Following Val133, a six-residue immobilization sequence (Gly-Gly-Ser-Gly-Cys-Pro) was added.

Record Creation Time: 20220422T222004+0000

Record Last Update: 20260815T081031+0000

Ratings and Alerts

No rating or validation information has been found for pTSA-C.

No alerts have been found for pTSA-C.

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 [RRID](#) .

Wells DK, et al. (2020) Key Parameters of Tumor Epitope Immunogenicity Revealed Through a Consortium Approach Improve Neoantigen Prediction. Cell, 183(3), 818.

Peng S, et al. (2019) Sensitive Detection and Analysis of Neoantigen-Specific T Cell Populations from Tumors and Blood. Cell reports, 28(10), 2728.