

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pACYC-TtCas6-4xcrRNA4.5

RRID:Addgene_127764

Type: Plasmid

Proper Citation

RRID:Addgene_127764

Plasmid Information

URL: <http://www.addgene.org/127764>

Proper Citation: RRID:Addgene_127764

Insert Name: Synthetic CRISPR array containing four identical T. thermophilus spacers

Organism: Synthetic

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:31278272](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:3920; Vector Backbone:pACYCDuet-1; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol

Plasmid Name: pACYC-TtCas6-4xcrRNA4.5

Record Creation Time: 20220422T221710+0000

Record Last Update: 20260808T080716+0000

Ratings and Alerts

No rating or validation information has been found for pACYC-TtCas6-4xcrRNA4.5.

No alerts have been found for pACYC-TtCas6-4xcrRNA4.5.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Pandey S, et al. (2026) Identification and structure determination of a type III-Bv CRISPR complex that post-translationally modifies an associated toxin. Structure (London, England : 1993).

Jungfer K, et al. (2025) Mechanistic determinants and dynamics of cA6 synthesis in type III CRISPR-Cas effector complexes. Nucleic acids research, 53(2).

Nemudraia A, et al. (2022) Sequence-specific capture and concentration of viral RNA by type III CRISPR system enhances diagnostic. Research square.

Santiago-Frangos A, et al. (2021) Intrinsic signal amplification by type III CRISPR-Cas systems provides a sequence-specific SARS-CoV-2 diagnostic. Cell reports. Medicine, 2(6), 100319.