

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pTarget_CAST

RRID:Addgene_127926

Type: Plasmid

Proper Citation

RRID:Addgene_127926

Plasmid Information

URL: <http://www.addgene.org/127926>

Proper Citation: RRID:Addgene_127926

Insert Name: PSP1 target (GGTT PAM)

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:31171706](#)

Vector Backbone Description: Vector Backbone:pACYC; Vector Types;; Bacterial Resistance:Chloramphenicol

Plasmid Name: pTarget_CAST

Record Creation Time: 20220422T221711+0000

Record Last Update: 20260815T080441+0000

Ratings and Alerts

No rating or validation information has been found for pTarget_CAST.

No alerts have been found for pTarget_CAST.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Tenjo-Castaño F, et al. (2022) Structure of the TnsB transposase-DNA complex of type V-K CRISPR-associated transposon. *Nature communications*, 13(1), 5792.

Park JU, et al. (2022) Mechanistic details of CRISPR-associated transposon recruitment and integration revealed by cryo-EM. *Proceedings of the National Academy of Sciences of the United States of America*, 119(32), e2202590119.

Schmitz M, et al. (2022) Structural basis for the assembly of the type V CRISPR-associated transposon complex. *Cell*, 185(26), 4999.

Xiao R, et al. (2021) Structural basis of target DNA recognition by CRISPR-Cas12k for RNA-guided DNA transposition. *Molecular cell*, 81(21), 4457.

Yang S, et al. (2021) Orthogonal CRISPR-associated transposases for parallel and multiplexed chromosomal integration. *Nucleic acids research*, 49(17), 10192.

Park JU, et al. (2021) Structural basis for target site selection in RNA-guided DNA transposition systems. *Science (New York, N.Y.)*, 373(6556), 768.

Querques I, et al. (2021) Target site selection and remodelling by type V CRISPR-transposon systems. *Nature*, 599(7885), 497.