

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pCBC-DT1T2](#)

RRID:Addgene_50590

Type: Plasmid

Proper Citation

RRID:Addgene_50590

Plasmid Information

URL: <http://www.addgene.org/50590>

Proper Citation: RRID:Addgene_50590

Insert Name: T1, U626t plus, U629p, T2

Organism: Synthetic

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:25432517](#)

Vector Backbone Description: Vector Backbone:pGWC; Vector Types:Plant Expression, CRISPR, PCR template; Bacterial Resistance:Chloramphenicol

Plasmid Name: pCBC-DT1T2

Record Creation Time: 20220422T222259+0000

Record Last Update: 20260815T081607+0000

Ratings and Alerts

No rating or validation information has been found for pCBC-DT1T2.

No alerts have been found for pCBC-DT1T2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Potsenkovskaia EA, et al. (2024) CRISPR-Based Editing of the *Medicago truncatula* LEC1 Gene. *Plants (Basel, Switzerland)*, 13(22).

Yapa MM, et al. (2023) MORF2-mediated plastidial retrograde signaling is involved in stress response and skotomorphogenesis beyond RNA editing. *Frontiers in plant science*, 14, 1146922.

Awasthi P, et al. (2023) CRISPR/Cas9-mediated mutagenesis of the mediator complex subunits MED5a and MED5b genes impaired secondary metabolite accumulation in hop (*Humulus lupulus*). *Plant physiology and biochemistry : PPB*, 201, 107851.

Dupouy G, et al. (2022) Plastid ribosome protein L5 is essential for post-globular embryo development in *Arabidopsis thaliana*. *Plant reproduction*, 35(3), 189.

Zhang Y, et al. (2021) CRISPR-Cas9 multiplex genome editing of the hydroxyproline-O-galactosyltransferase gene family alters arabinogalactan-protein glycosylation and function in *Arabidopsis*. *BMC plant biology*, 21(1), 16.

Zhang Y, et al. (2020) Elucidating the roles of three β -glucuronosyltransferases (GLCATs) acting on arabinogalactan-proteins using a CRISPR-Cas9 multiplexing approach in *Arabidopsis*. *BMC plant biology*, 20(1), 221.

Tian Y, et al. (2020) Enhancement of Tobacco (*Nicotiana tabacum* L.) Seed Lipid Content for Biodiesel Production by CRISPR-Cas9-Mediated Knockout of NtAn1. *Frontiers in plant science*, 11, 599474.

Hooghvorst I, et al. (2019) Efficient knockout of phytoene desaturase gene using CRISPR/Cas9 in melon. *Scientific reports*, 9(1), 17077.