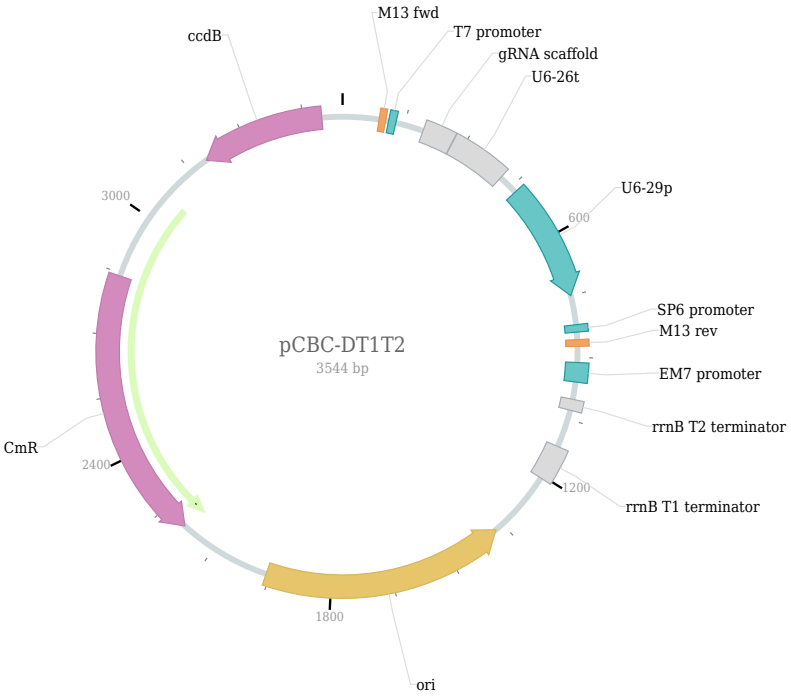
pCBC-DT1T2

Vector ID	V016742
Antibiotic Resistance	Chloramphenicol
Length	3544 bp
Vector Type	Gene knockout
Host	Plants

Product Information

Replication Origin	ori
Promoter	EM7
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	pCBC-DT1T2 is a cloning vector used as a template for PCR amplification to generate fragments containing two gRNA expression cassettes for dicot targets. It is part of the gRNA module vector set, designed to facilitate the assembly of multiple guide RNAs via Golden Gate cloning. The PCR product derived from pCBC-DT1T2, together with a binary CRISPR/Cas9 vector, is used in a one-step restriction-ligation reaction to create final constructs for multiplex genome editing in dicot plants.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.