

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 11, 2026

pCRT7 NT Topo tetR/pLtetO Amp^rWT sfGFP

RRID:Addgene_52053

Type: Plasmid

Proper Citation

RRID:Addgene_52053

Plasmid Information

URL: <http://www.addgene.org/52053>

Proper Citation: RRID:Addgene_52053

Insert Name: sfGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2870; Vector Backbone:pCRT7/NT-TOPO; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: To clone new genes for your proteins of interest into the pCRT7 NT vector provided, use 5'KpnI--3'HindIII restriction sites. See Lutz and Bujard 1997 (PMID 9092630) for information on the tetR/pLtetO promoter system used for inducible expression in the pCRT7 NT vector. The phosphoproteins (or sfGFP) expressed via the pCRT7 pLtetO/tetR plasmid is induced with 100 ng/mL anhydrotetracycline.

Plasmid Name: pCRT7 NT Topo tetR/pLtetO Amp^rWT sfGFP

Record Creation Time: 20220422T222305+0000

Record Last Update: 20260808T081809+0000

Ratings and Alerts

No rating or validation information has been found for pCRT7 NT Topo tetR/pLtetO Amp^r WT sfGFP.

No alerts have been found for pCRT7 NT Topo tetR/pLtetO Amp^rWT sfGFP.

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 [PRECISE-TBI](#) .

Gyawali YP, et al. (2024) Differential superoxide production in phosphorylated neuronal nitric oxide synthase mu and alpha variants. *Journal of inorganic biochemistry*, 251, 112454.

Forsberg KJ, et al. (2019) Functional metagenomics-guided discovery of potent Cas9 inhibitors in the human microbiome. *eLife*, 8.

Zheng H, et al. (2019) Generation and characterization of functional phosphoserine-incorporated neuronal nitric oxide synthase holoenzyme. *Journal of biological inorganic chemistry : JBIC : a publication of the Society of Biological Inorganic Chemistry*, 24(1), 1.

Heo JM, et al. (2018) RAB7A phosphorylation by TBK1 promotes mitophagy via the PINK-PARKIN pathway. *Science advances*, 4(11), eaav0443.