

Resource Summary Report

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

pcDNA-T1ER

RRID:Addgene_47928

Type: Plasmid

Proper Citation

RRID:Addgene_47928

Plasmid Information

URL: <http://www.addgene.org/47928>

Proper Citation: RRID:Addgene_47928

Insert Name: T1ER

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23838183](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Ratiometric calcium sensor targeted to ER with KDEL sequence. The CFP fragment of Addgene plasmid 36325 pcDNA-D1ER was replaced with the brighter fluorescent protein mTurquoise.

Plasmid Name: pcDNA-T1ER

Relevant Mutation: KDEL

Record Creation Time: 20220422T222246+0000

Record Last Update: 20260815T081547+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA-T1ER.

No alerts have been found for pcDNA-T1ER.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Chandra G, et al. (2021) Endoplasmic reticulum maintains ion homeostasis required for plasma membrane repair. The Journal of cell biology, 220(5).

Tsai FC, et al. (2014) A polarized Ca²⁺, diacylglycerol and STIM1 signalling system regulates directed cell migration. Nature cell biology, 16(2), 133.