

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

[peCALWY-4](#)

RRID:Addgene_22236

Type: Plasmid

Proper Citation

RRID:Addgene_22236

Plasmid Information

URL: <http://www.addgene.org/22236>

Proper Citation: RRID:Addgene_22236

Insert Name: eCALWY-4 Zn(II) sensor

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:19718032](#)

Vector Backbone Description: Backbone Size:3900; Vector Backbone:pCMV (Clontech); Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: peCALWY-4

Relevant Mutation: C418S mutation linker consists of 9 GGSGGS repeats

Record Creation Time: 20220422T222058+0000

Record Last Update: 20260829T080213+0000

Ratings and Alerts

No rating or validation information has been found for peCALWY-4.

No alerts have been found for peCALWY-4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Xiao W, et al. (2022) Therapeutic targeting of the USP2-E2F4 axis inhibits autophagic machinery essential for zinc homeostasis in cancer progression. *Autophagy*, 18(11), 2615.

Wetzler DE, et al. (2018) Conformational plasticity of the intrinsically disordered protein ASR1 modulates its function as a drought stress-responsive gene. *PloS one*, 13(8), e0202808.

Krapivinsky G, et al. (2014) The TRPM7 chanzyme is cleaved to release a chromatin-modifying kinase. *Cell*, 157(5), 1061.