

Resource Summary Report

Generated by [RRID](#) on Aug 29, 2026

pGCaMP6m-N3-TPC2

RRID:Addgene_80147

Type: Plasmid

Proper Citation

RRID:Addgene_80147

Plasmid Information

URL: <http://www.addgene.org/80147>

Proper Citation: RRID:Addgene_80147

Insert Name: TPCN2

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26202466](#)

Vector Backbone Description: Backbone Size:5353; Vector Backbone:pGCaMP6m-N3; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pGCaMP6m-N3-TPC2

Record Creation Time: 20220422T222524+0000

Record Last Update: 20260829T081116+0000

Ratings and Alerts

No rating or validation information has been found for pGCaMP6m-N3-TPC2.

No alerts have been found for pGCaMP6m-N3-TPC2.

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 [RRID](#) .

Tsvilovskyy V, et al. (2024) OCaR1 endows exocytic vesicles with autoregulatory competence by preventing uncontrolled Ca²⁺ release, exocytosis, and pancreatic tissue damage. *The Journal of clinical investigation*, 134(7).

Tong BC, et al. (2022) Lysosomal TPCN (two pore segment channel) inhibition ameliorates beta-amyloid pathology and mitigates memory impairment in Alzheimer disease. *Autophagy*, 18(3), 624.

Beyers WC, et al. (2022) OCA7 is a melanosome membrane protein that defines pigmentation by regulating early stages of melanosome biogenesis. *The Journal of biological chemistry*, 298(12), 102669.

Sun J, et al. (2022) LAMTOR1 inhibition of TRPML1-dependent lysosomal calcium release regulates dendritic lysosome trafficking and hippocampal neuronal function. *The EMBO journal*, 41(5), e108119.