

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

pCS2 GFP-GSK3-MAPK

RRID:Addgene_29689

Type: Plasmid

Proper Citation

RRID:Addgene_29689

Plasmid Information

URL: <http://www.addgene.org/29689>

Proper Citation: RRID:Addgene_29689

Insert Name: GFP glycogen synthase kinase 3 recognition site primed by MAPK

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21183076](#)

Vector Backbone Description: Backbone Size:4096; Vector Backbone:pCS2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: This artificial GFP-GSK3-MAPK construct was generated by adding to the C terminus of GFP synthetic oligonucleotides encoding for AAASAAASAAASAPASPAAAAAAAAAAPPAYDYKDDDDK. See Figure 6A of the associated publication for more details.

Plasmid Name: pCS2 GFP-GSK3-MAPK

Relevant Mutation: recognition sites only, and E3 ligase site

Record Creation Time: 20220422T222131+0000

Record Last Update: 20260725T074534+0000

Ratings and Alerts

No rating or validation information has been found for pCS2 GFP-GSK3-MAPK.

No alerts have been found for pCS2 GFP-GSK3-MAPK.

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 [dkNET](#) .

Predes D, et al. (2022) The Flavonol Quercitrin Hinders GSK3 Activity and Potentiates the Wnt/ β -Catenin Signaling Pathway. International journal of molecular sciences, 23(20).

Obakan Yerlikaya P, et al. (2021) Epibrassinolide prevents tau hyperphosphorylation via GSK3 β inhibition in vitro and improves *Caenorhabditis elegans* lifespan and motor deficits in combination with roscovitine. Amino acids, 53(9), 1373.

Teixeira FR, et al. (2016) Gsk3 β and Tomm20 are substrates of the SCFFbxo7/PARK15 ubiquitin ligase associated with Parkinson's disease. The Biochemical journal, 473(20), 3563.

Sieiro D, et al. (2016) Cytoplasmic NOTCH and membrane-derived β -catenin link cell fate choice to epithelial-mesenchymal transition during myogenesis. eLife, 5.