

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

pcDNA3-cdk5GFP

RRID:Addgene_1346

Type: Plasmid

Proper Citation

RRID:Addgene_1346

Plasmid Information

URL: <http://www.addgene.org/1346>

Proper Citation: RRID:Addgene_1346

Insert Name: CDK5

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

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

Plasmid Name: pcDNA3-cdk5GFP

Record Creation Time: 20220422T221743+0000

Record Last Update: 20260905T074800+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-cdk5GFP.

No alerts have been found for pcDNA3-cdk5GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Chu CH, et al. (2025) Nuclear paxillin functions as a molecular switch for alternative splicing in neurons during a critical period of brain development. The EMBO journal.

Yokoi N, et al. (2021) 14-3-3 proteins stabilize LGI1-ADAM22 levels to regulate seizure thresholds in mice. Cell reports, 37(11), 110107.

Tojima T, et al. (2014) Steering neuronal growth cones by shifting the imbalance between exocytosis and endocytosis. The Journal of neuroscience : the official journal of the Society for Neuroscience, 34(21), 7165.

Miao Y, et al. (2012) Involvement of calpain/p35-p25/Cdk5/NMDAR signaling pathway in glutamate-induced neurotoxicity in cultured rat retinal neurons. PloS one, 7(8), e42318.

Cerda O, et al. (2011) Activity-dependent phosphorylation of neuronal Kv2.1 potassium channels by CDK5. The Journal of biological chemistry, 286(33), 28738.

Daval M, et al. (2011) Cyclin-dependent kinase 5 promotes pancreatic β -cell survival via Fak-Akt signaling pathways. Diabetes, 60(4), 1186.

Zhang W, et al. (2011) DNA damage response is suppressed by the high cyclin-dependent kinase 1 activity in mitotic mammalian cells. The Journal of biological chemistry, 286(41), 35899.

Liebl J, et al. (2010) Cyclin-dependent kinase 5 regulates endothelial cell migration and angiogenesis. The Journal of biological chemistry, 285(46), 35932.