

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

GSK3 alpha pMT2

RRID:Addgene_15896

Type: Plasmid

Proper Citation

RRID:Addgene_15896

Plasmid Information

URL: <http://www.addgene.org/15896>

Proper Citation: RRID:Addgene_15896

Insert Name: GSK3 alpha

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:2164470](#)

Vector Backbone Description: Backbone Size:5000; Vector Backbone:pMT2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: ORF is at 1189-2640.

Plasmid Name: GSK3 alpha pMT2

Record Creation Time: 20220422T221901+0000

Record Last Update: 20260919T091159+0000

Ratings and Alerts

No rating or validation information has been found for GSK3 alpha pMT2.

No alerts have been found for GSK3 alpha pMT2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Matsuo R, et al. (2023) Functional characterization of four opsins and two G alpha subtypes co-expressed in the molluscan rhabdomeric photoreceptor. BMC biology, 21(1), 291.

Stefanoska K, et al. (2022) Alzheimer's disease: Ablating single master site abolishes tau hyperphosphorylation. Science advances, 8(27), eabl8809.

Sarikhani M, et al. (2018) SIRT2 deacetylase regulates the activity of GSK3 isoforms independent of inhibitory phosphorylation. eLife, 7.

Gozdz A, et al. (2017) GSK3 β and GSK3 γ Phosphorylate Arc and Regulate its Degradation. Frontiers in molecular neuroscience, 10, 192.

Koo J, et al. (2015) Rictor Undergoes Glycogen Synthase Kinase 3 (GSK3)-dependent, FBXW7-mediated Ubiquitination and Proteasomal Degradation. The Journal of biological chemistry, 290(22), 14120.

Sun L, et al. (2014) Distribution of mammalian-like melanopsin in cyclostome retinas exhibiting a different extent of visual functions. PloS one, 9(9), e108209.

Yohn NL, et al. (2011) Phosphatidylinositol 3'-kinase, mTOR, and glycogen synthase kinase-3 β mediated regulation of p21 in human urothelial carcinoma cells. BMC urology, 11, 19.