

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pZW6 (CK2alpha)

RRID:Addgene_27086

Type: Plasmid

Proper Citation

RRID:Addgene_27086

Plasmid Information

URL: <http://www.addgene.org/27086>

Proper Citation: RRID:Addgene_27086

Insert Name: CK2alpha

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21036246](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5542; Vector Backbone:pRC/CMV; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pZW6 (CK2alpha)

Record Creation Time: 20220422T222121+0000

Record Last Update: 20260725T074515+0000

Ratings and Alerts

No rating or validation information has been found for pZW6 (CK2alpha).

No alerts have been found for pZW6 (CK2alpha).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Mahdysiuk MV, et al. (2025) Discovery of new aurone derivatives as submicromolar CK2 inhibitors. *Journal of enzyme inhibition and medicinal chemistry*, 40(1), 2566780.

Hermosilla VE, et al. (2024) Casein kinase 2 phosphorylates and induces the SALL2 tumor suppressor degradation in colon cancer cells. *Cell death & disease*, 15(3), 223.

Ulreich K, et al. (2022) High Expression of Casein Kinase 2 Alpha Is Responsible for Enhanced Phosphorylation of DNA Mismatch Repair Protein MLH1 and Increased Tumor Mutation Rates in Colorectal Cancer. *Cancers*, 14(6).

Chojnowski JE, et al. (2022) Copper Modulates the Catalytic Activity of Protein Kinase CK2. *Frontiers in molecular biosciences*, 9, 878652.

Lu WC, et al. (2022) AKT1 mediates multiple phosphorylation events that functionally promote HSF1 activation. *The FEBS journal*, 289(13), 3876.

Abd El-Aziz TM, et al. (2021) Mechanisms and consequences of casein kinase II and ankyrin-3 regulation of the epithelial Na⁺ channel. *Scientific reports*, 11(1), 14600.

Wong KM, et al. (2021) CTCF and EGR1 suppress breast cancer cell migration through transcriptional control of Nm23-H1. *Scientific reports*, 11(1), 491.

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

Sahoo PK, et al. (2020) A Ca²⁺-Dependent Switch Activates Axonal Casein Kinase 2? Translation and Drives G3BP1 Granule Disassembly for Axon Regeneration. *Current biology : CB*, 30(24), 4882.

Oshima T, et al. (2019) Cell-based screen identifies a new potent and highly selective CK2 inhibitor for modulation of circadian rhythms and cancer cell growth. *Science advances*, 5(1), eaau9060.

Bauer CK, et al. (2019) Gain-of-Function Mutations in KCNN3 Encoding the Small-Conductance Ca²⁺-Activated K⁺ Channel SK3 Cause Zimmermann-Laband Syndrome. *American journal of human genetics*, 104(6), 1139.

Xu WF, et al. (2019) Co-targeting CK2? and YBX1 suppresses tumor progression by coordinated inhibition of the PI3K/AKT signaling pathway. *Cell cycle (Georgetown, Tex.)*, 18(24), 3472.

Yang FM, et al. (2018) sNASP inhibits TLR signaling to regulate immune response in sepsis. *The Journal of clinical investigation*, 128(6), 2459.

Hoque A, et al. (2018) Mitochondrial fission protein Drp1 inhibition promotes cardiac mesodermal differentiation of human pluripotent stem cells. *Cell death discovery*, 4, 39.

Schuck S, et al. (2013) CK2 phosphorylation inactivates DNA binding by the papillomavirus E1 and E2 proteins. *Journal of virology*, 87(13), 7668.