

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

V245 pCEP-4HA B56alpha

RRID:Addgene_14532

Type: Plasmid

Proper Citation

RRID:Addgene_14532

Plasmid Information

URL: <http://www.addgene.org/14532>

Proper Citation: RRID:Addgene_14532

Insert Name: PPP2R5A B56 alpha regulatory subunit of PP2A

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10092233](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:10186; Vector Backbone:pCEP4 (modified); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: 4 HA tag cloned into Not1 site as Not1 cassette so two Not1 sites at 5' end of gene.

Plasmid Name: V245 pCEP-4HA B56alpha

Record Creation Time: 20220422T221818+0000

Record Last Update: 20260815T080654+0000

Ratings and Alerts

No rating or validation information has been found for V245 pCEP-4HA B56alpha.

No alerts have been found for V245 pCEP-4HA B56alpha.

Data and Source Information

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Heil BN, et al. (2026) Suppression of PP2A-B56?? drives EMT in EGFR mutant non-small cell lung cancer. *Oncogene*, 45(20), 1861.

Baral G, et al. (2025) PP2A activation drives aberrant macropinocytosis and cell death in pancreatic ductal adenocarcinoma. *bioRxiv : the preprint server for biology*.

Fu Y, et al. (2023) Fam72a functions as a cell-cycle-controlled gene during proliferation and antagonizes apoptosis through reprogramming PP2A substrates. *Developmental cell*, 58(5), 398.

Li J, et al. (2022) Regulation of XPO5 phosphorylation by PP2A in hepatocellular carcinoma. *MedComm*, 3(2), e125.

Dunlevy KL, et al. (2020) The PRR14 heterochromatin tether encodes modular domains that mediate and regulate nuclear lamina targeting. *Journal of cell science*, 133(10).

Gama Braga L, et al. (2020) BUBR1 Pseudokinase Domain Promotes Kinetochore PP2A-B56 Recruitment, Spindle Checkpoint Silencing, and Chromosome Alignment. *Cell reports*, 33(7), 108397.

Uchida E, et al. (2019) TOPK is regulated by PP2A and BCR/ABL in leukemia and enhances cell proliferation. *International journal of oncology*, 54(5), 1785.

Vallardi G, et al. (2019) Division of labour between PP2A-B56 isoforms at the centromere and kinetochore. *eLife*, 8.

Wang J, et al. (2019) Prolyl isomerization of FAAP20 catalyzed by PIN1 regulates the Fanconi anemia pathway. *PLoS genetics*, 15(2), e1007983.

Trzeciakiewicz H, et al. (2017) A Dual Pathogenic Mechanism Links Tau Acetylation to Sporadic Tauopathy. *Scientific reports*, 7, 44102.

Greenwood EJ, et al. (2016) Temporal proteomic analysis of HIV infection reveals remodelling of the host phosphoproteome by lentiviral Vif variants. *eLife*, 5.

Kwun HJ, et al. (2015) Restricted protein phosphatase 2A targeting by Merkel cell polyomavirus small T antigen. *Journal of virology*, 89(8), 4191.

Suijkerbuijk SJ, et al. (2012) Integration of kinase and phosphatase activities by BUBR1 ensures formation of stable kinetochore-microtubule attachments. *Developmental cell*, 23(4), 745.