

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

pEGFP PICH (Nigg CB62)

RRID:Addgene_41163

Type: Plasmid

Proper Citation

RRID:Addgene_41163

Plasmid Information

URL: <http://www.addgene.org/41163>

Proper Citation: RRID:Addgene_41163

Insert Name: PICH

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:17218258](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: The complete ORF of PICH (corresponding exactly to FLJ20105; Acc. No. BC111486) was amplified by nested PCR, using a HeLa Marathon library (Clontech laboratories Inc.), and cloned into pEGFP-C1 vector (Clontech laboratories Inc.). The following primer pairs were used: primer pair 1: AAG CTC CAG CTC CAA GCT CC and TGC TTT TTG AGA TCT TTC TTG CC, primer pair 2: GACTCGAGCTATGGAGGCATCCCGAAGGTTTC and GCCCGGGTCAATTGTTATTAAGTTGC. These primers contain Xho1 and Xma1 sites, respectively, used for cloning.

Plasmid Name: pEGFP PICH (Nigg CB62)

Record Creation Time: 20220422T222213+0000

Record Last Update: 20260829T080512+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP PICH (Nigg CB62).

No alerts have been found for pEGFP PICH (Nigg CB62).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Kong N, et al. (2023) RIF1 suppresses the formation of single-stranded ultrafine anaphase bridges via protein phosphatase 1. Cell reports, 42(2), 112032.

Dutta A, et al. (2022) PLK-1 Interacting Checkpoint Helicase, PICH, Mediates Cellular Oxidative Stress Response. Epigenomes, 6(4).

Sridharan V, et al. (2016) SUMO-interacting motifs (SIMs) in Polo-like kinase 1-interacting checkpoint helicase (PICH) ensure proper chromosome segregation during mitosis. Cell cycle (Georgetown, Tex.), 15(16), 2135.

de la Cruz-Herrera CF, et al. (2015) SUMOylation regulates AKT1 activity. Oncogene, 34(11), 1442.

Sridharan V, et al. (2015) SUMOylation regulates polo-like kinase 1-interacting checkpoint helicase (PICH) during mitosis. The Journal of biological chemistry, 290(6), 3269.