

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pDONR223_PIK3CA_WT

RRID:Addgene_81736

Type: Plasmid

Proper Citation

RRID:Addgene_81736

Plasmid Information

URL: <http://www.addgene.org/81736>

Proper Citation: RRID:Addgene_81736

Insert Name: PIK3CA

Organism: Homo sapiens

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:27147599](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2790; Vector Backbone:pDONR223; Vector Types:Gateway Cloning; Bacterial Resistance:Spectinomycin

Comments: Open state: NO stop codon immediately follows insert Supporting reference: Systematic morphological profiling of human gene and allele function via Cell Painting. Rohban MH, et al. Elife. 2017, Mar 18;6. pii: e24060. PubMed PMID 28315521

Plasmid Name: pDONR223_PIK3CA_WT

Relevant Mutation: WT

Record Creation Time: 20220422T222532+0000

Record Last Update: 20260815T082050+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223_PIK3CA_WT.

No alerts have been found for pDONR223_PIK3CA_WT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Ku?o?lu A, et al. (2024) Extracellular Matrix Sulfation in the Tumor Microenvironment Stimulates Cancer Stemness and Invasiveness. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(36), e2309966.

Pemovska T, et al. (2021) Metabolic drug survey highlights cancer cell dependencies and vulnerabilities. Nature communications, 12(1), 7190.

Bonazzoli E, et al. (2019) PI3K oncogenic mutations mediate resistance to afatinib in HER2/neu overexpressing gynecological cancers. Gynecologic oncology, 153(1), 158.