Resource Summary Report

Generated by RRID on Aug 31, 2026

pHAGE-PIK3CA-E542K

RRID:Addgene_116479
Type: Plasmid

Proper Citation

RRID:Addgene_116479

Plasmid Information

URL: http://www.addgene.org/116479

Proper Citation: RRID:Addgene_116479

Insert Name: PIK3CA

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:29533785

Vector Backbone Description: Vector Backbone:pHAGE; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pHAGE-PIK3CA-E542K

Relevant Mutation: E542K

Record Creation Time: 20220422T221610+0000

Record Last Update: 20260829T075233+0000

Ratings and Alerts

No rating or validation information has been found for pHAGE-PIK3CA-E542K.

No alerts have been found for pHAGE-PIK3CA-E542K.

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 RRID .

Ge X, et al. (2026) PI3K Regulates Wild-type RAS Signaling to Confer Resistance to KRAS Inhibition. Cancer research, 86(15), 3819.

Tandon V, et al. (2025) Dyr726, a brain-penetrant inhibitor of PI3K??, Type III receptor tyrosine kinases, and WNT signaling. bioRxiv : the preprint server for biology.

Aw WY, et al. (2025) Dysfunctional mechanotransduction regulates the progression of PIK3CA-driven vascular malformations. APL bioengineering, 9(1), 016106.

Aw WY, et al. (2024) Dysfunctional mechanotransduction regulates the progression of PIK3CA-driven vascular malformations. bioRxiv : the preprint server for biology.

Aw WY, et al. (2023) Microphysiological model of PIK3CA-driven vascular malformations reveals a role of dysregulated Rac1 and mTORC1/2 in lesion formation. Science advances, 9(7), eade8939.