

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

MCF-10A PIK3CA (H1047R/+)

RRID:CVCL_LD55

Type: Cell Line

Proper Citation

RRID:CVCL_LD55

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_LD55

Proper Citation: RRID:CVCL_LD55

Description: Cell line MCF-10A PIK3CA (H1047R/+) is a Spontaneously immortalized cell line with a species of origin Homo sapiens (Human)

Sex: Female

Comments: Characteristics: Heterozygous knockin of a PIK3CA kinase domain activating mutation.

Category: Spontaneously immortalized cell line

Organism: Homo sapiens (Human)

Name: MCF-10A PIK3CA (H1047R/+)

Synonyms: PIK3CA (H1047R/+) MCF10A

Cross References: Horizon_Discovery:HD+101-011, Wikidata:Q54904289

ID: CVCL_LD55

Hierarchy: cvcl_0598

Record Creation Time: 20220427T220750+0000

Record Last Update: 20260905T181113+0000

Ratings and Alerts

No rating or validation information has been found for MCF-10A PIK3CA (H1047R/+).

No alerts have been found for MCF-10A PIK3CA (H1047R/+).

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Langille E, et al. (2022) Loss of Epigenetic Regulation Disrupts Lineage Integrity, Induces Aberrant Alveogenesis, and Promotes Breast Cancer. *Cancer discovery*, 12(12), 2930.

Mukherjee R, et al. (2021) Regulation of PTEN translation by PI3K signaling maintains pathway homeostasis. *Molecular cell*, 81(4), 708.