

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

SUM52PE

RRID:CVCL_3425

Type: Cell Line

Proper Citation

RRID:CVCL_3425

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3425

Proper Citation: RRID:CVCL_3425

Description: Cell line SUM52PE is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Breast carcinoma

Defining Citation: [PMID:10424408](#), [PMID:10604729](#), [PMID:10969801](#), [PMID:12800145](#), [PMID:15677628](#), [PMID:16397213](#), [PMID:16541312](#), [PMID:17157791](#), [PMID:19582160](#), [PMID:19593635](#), [PMID:21778573](#), [PMID:23401782](#), [PMID:23601657](#), [PMID:24176112](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26589293](#), [PMID:26759240](#), [PMID:32715085](#)

Comments: Part of: JWGray breast cancer cell line panel., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Group: Triple negative breast cancer (TNBC) cell line.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: SUM52PE

Synonyms: SUM-52PE, SUM 52PE, SUM-52-PE, SUM-52, SUM 52, SUM52, 52PE

Cross References: BTO:BTO_0005390, CLO:CLO_0037189, EFO:EFO_0001246, ArrayExpress:E-MTAB-2706, ArrayExpress:E-TABM-157, BioSample:SAMN03472911, cancercellines:CVCL_3425, Cell_Model_Passport:SIDM01422, Cosmic:904387, Cosmic:1046962, Cosmic:1176647, Cosmic:1287897, Cosmic:1289409, Cosmic:1460238, DepMap:ACH-001396, EGA:EGAS00001000610, EGA:EGAS00001002554,

GEO:GSM115109, GEO:GSM217604, GEO:GSM219890, GEO:GSM320178, GEO:GSM350524, GEO:GSM421887, GEO:GSM481330, GEO:GSM844711, GEO:GSM844712, GEO:GSM847439, GEO:GSM847506, GEO:GSM1053739, GEO:GSM1172903, GEO:GSM1172998, GEO:GSM1374912, IARC_TP53:24366, LINCS_HMS:51087, LINCS_LDP:LCL-2071, Lonza:1253, Pharmacodb:SUM52PE_1513_2019, Progenetix:CVCL_3425, SLKBase:231, Wikidata:Q54970851

ID: CVCL_3425

Record Creation Time: 20220427T221612+0000

Record Last Update: 20260920T005904+0000

Ratings and Alerts

No rating or validation information has been found for SUM52PE.

No alerts have been found for SUM52PE.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Haykal MM, et al. (2025) Targeting WEE1 kinase as a therapeutic strategy in ATIP3-deficient breast cancers. Cancer letters, 620, 217665.

Liu Y, et al. (2020) Chemical Biology Toolkit for DCLK1 Reveals Connection to RNA Processing. Cell chemical biology, 27(10), 1229.

Koundouros N, et al. (2020) Metabolic Fingerprinting Links Oncogenic PIK3CA with Enhanced Arachidonic Acid-Derived Eicosanoids. Cell, 181(7), 1596.

Chopra SS, et al. (2020) Torin2 Exploits Replication and Checkpoint Vulnerabilities to Cause Death of PI3K-Activated Triple-Negative Breast Cancer Cells. Cell systems, 10(1), 66.