Resource Summary Report

Generated by dkNET on Sep 19, 2026

SUM229PE

RRID:CVCL_5594
Type: Cell Line

Proper Citation

RRID:CVCL_5594

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_5594

Proper Citation: RRID:CVCL_5594

Description: Cell line SUM229PE 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:15677628, PMID:16397213, PMID:16541312, PMID:19593635, PMID:21778573, PMID:23401782, PMID:23601657, PMID:24176112, PMID:25485619, PMID:25877200, PMID:25960936, PMID:26589293, PMID:28287265, PMID:32715085

Comments: Part of: JWGray breast cancer cell line panel., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Partially misidentified. For a period of time Asterand (now BioIVT) mistakenly distributed SUM149PT (Cellosaurus=CVCL_3422) under the designation of SUM229PE. This leads to the publication of a STR profile (PubMed=25877200) which was almost identical to that of SUM149PT.., Group: Triple negative breast cancer (TNBC) cell line.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: SUM229PE

Synonyms: SUM-229PE, SUM 229PE, SUM-229, SUM 229, SUM229, 229PE

Cross References: BTO:BTO_0005479, CLO:CLO_0009921, EFO:EFO_0006762, ArrayExpress:E-MTAB-2706, BioSample:SAMN03471035, cancercelllines:CVCL_5594, Cell_Model_Passport:SIDM01461, Cosmic:904393, Cosmic:997923, Cosmic:1046949,

Cosmic:1287930, Cosmic:1289416, Cosmic:1460243, Cosmic:1479523, DepMap:ACH-001394, EGA:EGAS00001000610, GEO:GSM421892, GEO:GSM1172902, GEO:GSM1172996, IARC_TP53:24363, LINCS_HMS:51086, LINCS_LDP:LCL-2065, PharmacoDB:SUM229PE_1512_2019, PRIDE:PXD005295, SLKBase:295, Wikidata:Q54970849

ID: CVCL_5594

Record Creation Time: 20220427T221612+0000

Record Last Update: 20260913T010144+0000

Ratings and Alerts

No rating or validation information has been found for SUM229PE.

Warning: Problematic cell line: Partially misidentified. For a period of time Asterand (now BioIVT) mistakenly distributed SUM149PT (CVCL_3422) under the designation of SUM229PE. This leads to the publication of a STR profile (PubMed=25877200) which was almost identical to that of SUM149PT.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00548.
Part of: JWGray breast cancer cell line panel., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Partially misidentified. For a period of time Asterand (now BioIVT) mistakenly distributed SUM149PT (Cellosaurus=CVCL_3422) under the designation of SUM229PE. This leads to the publication of a STR profile (PubMed=25877200) which was almost identical to that of SUM149PT.., Group: Triple negative breast cancer (TNBC) cell line.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Berardi V, et al. (2026) Regulatory BC200 RNA promotes breast carcinogenesis by repressing BRCA1 gene expression. iScience, 29(4), 115267.

Kortleve D, et al. (2024) TCR-Engineered T Cells Directed against Ropporin-1 Constitute a Safe and Effective Treatment for Triple-Negative Breast Cancer. Cancer discovery, 14(12), 2450.

Saini M, et al. (2023) Resistance to mesenchymal reprogramming sustains clonal propagation in metastatic breast cancer. Cell reports, 42(6), 112533.

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

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