

Resource Summary Report

Generated by [NIF](#) on Sep 13, 2026

SK-ES-1

RRID:CVCL_0627

Type: Cell Line

Proper Citation

RRID:CVCL_0627

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0627

Proper Citation: RRID:CVCL_0627

Description: Cell line SK-ES-1 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Ewing sarcoma

Defining Citation: [PMID:327080](#), [PMID:833871](#), [PMID:3518877](#), [PMID:6220172](#), [PMID:8040301](#), [PMID:8221663](#), [PMID:8378080](#), [PMID:8617485](#), [PMID:9738976](#), [PMID:11423975](#), [PMID:11891184](#), [PMID:12054564](#), [PMID:18082704](#), [PMID:18160777](#), [PMID:19787792](#), [PMID:20215515](#), [PMID:21822310](#), [PMID:22142829](#), [PMID:22460905](#), [PMID:25010205](#), [PMID:25223734](#), [PMID:25877200](#), [PMID:26351324](#), [PMID:26428435](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:28196595](#), [PMID:29464090](#), [PMID:30879952](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:35839778](#), [PMID:36476851](#)

Comments: Miscellaneous: The signal for the amelogenin "Y" allele is quite weak (MSKCC)., Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: MD Anderson Cell Lines Project., Part of: Ewing Sarcoma Cell Line Atlas (ESCLA)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: SK-ES-1

Synonyms: Sk-Es-1, Sk-ES-1, SK ES 01, SK-ES1, SKES-1, SKES1, SK-ES

Cross References: CLO:CLO_0009036, EFO:EFO_0002858, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:HTB-86, BCRJ:0266, BioGRID_ORCS_Cell_line:195, BioSample:SAMN03472758, BioSample:SAMN03473516, BioSample:SAMN10987953, cancercellines:CVCL_0627, Cell_Model_Passport:SIDM01111, ChEMBL-Cells:ChEMBL3307826, ChEMBL-Targets:ChEMBL613970, CLS:300435, Cosmic:684072, Cosmic:759888, Cosmic:1078385, Cosmic:1082505, Cosmic:1085904, Cosmic:1388894, Cosmic:1718430, Cosmic:1995629, Cosmic:2060800, Cosmic:2228231, Cosmic:2250467, Cosmic-CLP:684072, DepMap:ACH-000087, DSMZ:ACC-518, DSMZCellDive:ACC-518, EGA:EGAS00001000978, GDSC:684072, GEO:GSM393027, GEO:GSM510008, GEO:GSM510017, GEO:GSM510018, GEO:GSM827589, GEO:GSM887577, GEO:GSM888660, GEO:GSM1670428, GEO:GSM1676343, GEO:GSM1701674, GEO:GSM5359694, GEO:GSM5359695, GEO:GSM5359696, GEO:GSM5359697, GEO:GSM5359698, GEO:GSM5359699, GEO:GSM5362957, GEO:GSM5362958, GEO:GSM5362959, GEO:GSM5362960, GEO:GSM5362961, GEO:GSM5362962, GEO:GSM5364001, GEO:GSM5364002, GEO:GSM5364003, GEO:GSM5364004, GEO:GSM5364005, IARC_TP53:710, IGRhCellID:SKES%20%20GEO, LiGeA:CCLE_862, LINCS_LDP:LCL-1434, PharmacDB:SKES1_1387_2019, PRIDE:PXD030304, Progenetix:CVCL_0627, PubChem_Cell_line:CVCL_0627, Wikidata:Q54953654

ID: CVCL_0627

Record Creation Time: 20220427T221544+0000

Record Last Update: 20260913T010041+0000

Ratings and Alerts

No rating or validation information has been found for SK-ES-1.

No alerts have been found for SK-ES-1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Clausen J, et al. (2026) Autophagy impairs the sensitivity of Ewing sarcoma cells to PARP inhibitors. Cancer chemotherapy and pharmacology, 96(1).

Offenbacher R, et al. (2025) Polyamine Depletion by D, L-alpha-difluoromethylornithine Inhibits Ewing Sarcoma Metastasis by Inducing Ferroptosis. Clinical cancer research : an official journal of the American Association for Cancer Research.

Ziener J, et al. (2025) Combined inhibition of ribonucleotide reductase and WEE1 induces synergistic anticancer activity in Ewing's sarcoma cells. *BMC cancer*, 25(1), 277.

Zhang J, et al. (2025) Enabling tumor-specific drug delivery by targeting the Warburg effect of cancer. *Cell reports. Medicine*, 6(1), 101920.

Abdalla S, et al. (2025) Identification of novel small molecule inhibitors of ETS transcription factors. *FEBS letters*, 599(12), 1733.

Kailayangiri S, et al. (2024) Protocol for assessing GD2 on formalin-fixed paraffin-embedded tissue sections using immunofluorescence staining. *STAR protocols*, 5(3), 103199.

Manara MC, et al. (2024) Engagement of CD99 Activates Distinct Programs in Ewing Sarcoma and Macrophages. *Cancer immunology research*, 12(2), 247.

Pezzella M, et al. (2024) Tumor-derived G-CSF induces an immunosuppressive microenvironment in an osteosarcoma model, reducing response to CAR.GD2 T-cells. *Journal of hematology & oncology*, 17(1), 127.

Suvarna K, et al. (2024) Ceramide-induced cleavage of GPR64 intracellular domain drives Ewing sarcoma. *Cell reports*, 43(8), 114497.

Sturm MJ, et al. (2023) Synergistic anticancer activity of combined ATR and ribonucleotide reductase inhibition in Ewing's sarcoma cells. *Journal of cancer research and clinical oncology*.

Turaga SM, et al. (2023) Inducing Mitotic Catastrophe as a Therapeutic Approach to Improve Outcomes in Ewing Sarcoma. *Cancers*, 15(20).

Mancarella C, et al. (2023) Extracellular vesicle-associated IGF2BP3 tunes Ewing sarcoma cell migration and affects PI3K/Akt pathway in neighboring cells. *Cancer gene therapy*, 30(9), 1285.

Palombo R, et al. (2023) Inhibition of the PI3K/AKT/mTOR signaling promotes an M1 macrophage switch by repressing the ATF3-CXCL8 axis in Ewing sarcoma. *Cancer letters*, 555, 216042.

Fuest S, et al. (2022) Relevance of Abnormal KCNN1 Expression and Osmotic Hypersensitivity in Ewing Sarcoma. *Cancers*, 14(19).

Orth MF, et al. (2022) Systematic multi-omics cell line profiling uncovers principles of Ewing sarcoma fusion oncogene-mediated gene regulation. *Cell reports*, 41(10), 111761.

Lin TY, et al. (2021) Novel potent anti-STEAP1 bispecific antibody to redirect T cells for cancer immunotherapy. *Journal for immunotherapy of cancer*, 9(9).

Dirks WG, et al. (2021) Cross-contamination meets misclassification: Awakening of CHP-100 from sleeping beauty sleep-A reviewed model for Ewing's sarcoma. *International journal of cancer*.

Zhou F, et al. (2020) GDF6-CD99 Signaling Regulates Src and Ewing Sarcoma Growth. *Cell reports*, 33(5), 108332.

Hoshino A, et al. (2020) Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers. *Cell*, 182(4), 1044.