Resource Summary Report

Generated by dkNET on Aug 30, 2026

SK-N-MC

RRID:CVCL_0530
Type: Cell Line

Proper Citation

RRID:CVCL_0530

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0530

Proper Citation: RRID:CVCL_0530

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

Sex: Female

Disease: Askin tumor

Defining Citation: PMID:29704, PMID:62055, PMID:327080, PMID:856461, PMID:2784858, PMID:2987426, PMID:3518877, PMID:4748425, PMID:6582512, PMID:7037175, PMID:7459858, PMID:7591257, PMID:8040301, PMID:8378080, PMID:8570170, PMID:8617485, PMID:8665486, PMID:9121763, PMID:11668190, PMID:15390183, PMID:18160777, PMID:19787792, PMID:20143388, PMID:21822310, PMID:22460905, PMID:23325432, PMID:24312454, PMID:25010205, PMID:25223734, PMID:26351324, PMID:26428435, PMID:26589293, PMID:30879952, PMID:30894373, PMID:31068700, PMID:31978347, PMID:36476851

Comments: Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: Ewing Sarcoma Cell Line Atlas (ESCLA)., Part of: ENCODE project common cell types; tier 3., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a neuroblastoma cell line but shown to be from an Askin tumor (PubMed=20143388)..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: SK-N-MC

Synonyms: SKNMC, SK-NM-C, SK-NMC

Cross References: BTO:BTO_0002914, CLO:CLO_0009058, EFO:EFO_0002860, MCCL:MCC:0000429, CLDB:cl4338, CLDB:cl4339, CLDB:cl4340, CLDB:cl4341, CLDB:cl4342, CLDB:cl4343, 4DN:4DNSRW6BI5JA, ArrayExpress:E-MTAB-2770, ATCC:HTB-10, BioGRID_ORCS_Cell_line:462, BioSample:SAMN01821666, BioSample:SAMN03151999, BioSample:SAMN10987896, cancercelllines:CVCL_0530, CancerTools:161936, CCRID:1101HUM-PUMC000263, CCRID:3101HUMTCHu50, Cell_Model_Passport:SIDM00634, ChEMBL-Cells:CHEMBL3307551, ChEMBL-Targets:CHEMBL614163, CLS:300340, Cosmic:753613, Cosmic:897448, Cosmic:922655, Cosmic:1078367, Cosmic:1078391, Cosmic:1082511, Cosmic:1084314, Cosmic:2228233, Cosmic:2250468, Cosmic:2301579, DepMap:ACH-000039, DSMZ:ACC-203, DSMZCellDive:ACC-203, ECACC:90022302, ENCODE:ENCBS203EZT, ENCODE:ENCBS255ORK, ENCODE:ENCBS273LIC, ENCODE:ENCBS357PJT, ENCODE:ENCBS366AET, ENCODE:ENCBS387QLW, ENCODE:ENCBS400ENC, ENCODE:ENCBS423QPB, ENCODE:ENCBS426ENC, ENCODE:ENCBS556HGY, ENCODE:ENCBS734TWP, FANTOM5_SSTAR:10728-110A8, GEO:GSM393038, GEO:GSM510009, GEO:GSM824868, GEO:GSM824869, GEO:GSM887596, GEO:GSM888679, GEO:GSM945247, GEO:GSM945264, GEO:GSM1022638, GEO:GSM1676318, GEO:GSM1701651, GEO:GSM5359700, GEO:GSM5359701, GEO:GSM5359702, GEO:GSM5359703, GEO:GSM5359704, GEO:GSM5359705, GEO:GSM5362882, GEO:GSM5362883, GEO:GSM5362890, GEO:GSM5362891, GEO:GSM5362898, GEO:GSM5362899, GEO:GSM5364006, GEO:GSM5364007, GEO:GSM5364008, GEO:GSM5364009, GEO:GSM5364010, IARC_TP53:23586, IGRhCellID:SKNMC%20GEO, IZSLER:BS TCL 93, KCB:KCB 2012033YJ, KCLB:30010, LiGeA:CCLE_596, Lonza:82, NCBI_Iran:C535, PharmacoDB:SKNMC_1408_2019, Progenetix:CVCL_0530, PubChem_Cell_line:CVCL_0530, TOKU-E:3148, Wikidata:Q54954478

ID: CVCL_0530

Record Creation Time: 20220427T221547+0000

Record Last Update: 20260829T235934+0000

Ratings and Alerts

No rating or validation information has been found for SK-N-MC.

Warning: Problematic cell line: Misclassified. Originally thought to be a neuroblastoma cell line but shown to be from an Askin tumor (PubMed=20143388).

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00267.
Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: Ewing Sarcoma Cell Line Atlas (ESCLA)., Part of: ENCODE project common cell types; tier 3., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a neuroblastoma cell line but shown to be from an Askin tumor (PubMed=20143388)..

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 391 mentions in open access literature.

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

Wu X, et al. (2025) Development of a neutralization assay and bioluminescent imaging mouse model for Dehong virus (DEHV) using a pseudovirus system. Microbiology spectrum, 13(5), e0155724.

Rask GC, et al. (2025) Seclidemstat (SP-2577) Induces Transcriptomic Reprogramming and Cytotoxicity in Multiple Fusion-Positive Sarcomas. Cancer research communications, 5(9), 1584.

Ceranski AK, et al. (2025) Refined culture conditions with increased physiological relevance uncover oncogene-dependent metabolic signatures in Ewing sarcoma spheroids. Cell reports methods, 5(2), 100966.

Kauko O, et al. (2025) Diverse oncogenes use common mechanisms to drive growth of major forms of human cancer. Science advances, 11(34), eadt1798.

Graca Marques J, et al. (2024) The Chromatin Remodeler CHD4 Sustains Ewing Sarcoma Cell Survival by Controlling Global Chromatin Architecture. Cancer research, 84(2), 241.

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

Lu Y, et al. (2024) Activation of Bradykinin B2 Receptors in Astrocytes Stimulates the Release of Leukemia Inhibitory Factor for Autocrine and Paracrine Signaling. International journal of molecular sciences, 25(23).

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

Vandermeulen L, et al. (2024) Regulation of human microglial gene expression and function via RNAase-H active antisense oligonucleotides in vivo in Alzheimer's disease. Molecular neurodegeneration, 19(1), 37.

Garelja ML, et al. (2024) Pharmacological characterisation of erenumab, Aimovig, at two calcitonin gene-related peptide responsive receptors. British journal of pharmacology, 181(1), 142.

Ruiz-Gabarre D, et al. (2024) Intron retention as a productive mechanism in human MAPT: RNA species generated by retention of intron 3. EBioMedicine, 100, 104953.

Wrenn ED, et al. (2023) Carcinoma-associated fibroblast-like tumor cells remodel the Ewing sarcoma tumor microenvironment. bioRxiv : the preprint server for biology.

Vital T, et al. (2023) MS0621, a novel small-molecule modulator of Ewing sarcoma chromatin accessibility, interacts with an RNA-associated macromolecular complex and influences RNA splicing. Frontiers in oncology, 13, 1099550.

Franco EJ, et al. (2023) Favipiravir Inhibits Zika Virus (ZIKV) Replication in HeLa Cells by Altering Viral Infectivity. Microorganisms, 11(5).

Shen L, et al. (2023) CVM-1118 (foslinanib), a 2-phenyl-4-quinolone derivative, promotes apoptosis and inhibits vasculogenic mimicry via targeting TRAP1. Pathology oncology research : POR, 29, 1611038.

Franco EJ, et al. (2023) Favipiravir Suppresses Zika Virus (ZIKV) through Activity as a Mutagen. Microorganisms, 11(5).

Kaess C, et al. (2023) Evaluating the RIST Molecular-Targeted Regimen in a Three-Dimensional Neuroblastoma Spheroid Cell Culture Model. Cancers, 15(6).

Sturtzel C, et al. (2023) Refined high-content imaging-based phenotypic drug screening in zebrafish xenografts. NPJ precision oncology, 7(1), 44.

Roundhill EA, et al. (2023) Exploiting the Stemness and Chemoresistance Transcriptome of Ewing Sarcoma to Identify Candidate Therapeutic Targets and Drug-Repurposing Candidates. Cancers, 15(3).

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.