

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

KNS-42

RRID:CVCL_0378

Type: Cell Line

Proper Citation

RRID:CVCL_0378

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0378

Proper Citation: RRID:CVCL_0378

Description: Cell line KNS-42 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Glioblastoma, IDH-wildtype

Defining Citation: [PMID:2448680](#), [PMID:16232199](#), [PMID:19365568](#), [PMID:20164919](#), [PMID:22460905](#), [PMID:25401693](#), [PMID:25628092](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:34078608](#), [PMID:35839778](#)

Comments: Population: Japanese., 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: KNS-42

Synonyms: KNS42

Cross References: BTO:BTO_0005859, CLO:CLO_0009894, MCCL:MCC:0000273, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BCRJ:0295, BioGRID_ORCS_Cell_line:617, BioSample:SAMN03472787, BioSample:SAMN10987931, cancercellines:CVCL_0378, Cell_Model_Passport:SIDM00607, CGH-DB:144-1, ChEMBL-Cells:ChEMBL3308538, ChEMBL-Targets:ChEMBL2366261, Cosmic:687573, Cosmic:907282, Cosmic:2367532, Cosmic-CLP:907282, DepMap:ACH-000622, EGA:EGAS00001000978, GDSC:907282,

GEO:GSM887229, GEO:GSM888303, GEO:GSM1669995, GEO:GSM2197880, GEO:GSM2197881, GEO:GSM2197882, GEO:GSM2197883, GEO:GSM2197884, GEO:GSM2197885, GEO:GSM4969600, GEO:GSM4969601, GEO:GSM4969617, GEO:GSM4969634, GEO:GSM4969635, GEO:GSM4969636, GEO:GSM5356021, IARC_TP53:21436, JCRB:IFO50356, LiGeA:CCL_847, LINCS_LDP:LCL-1382, PharmacDB:KNS42_773_2019, PRIDE:PXD030304, Progenetix:CVCL_0378, PubChem_Cell_line:CVCL_0378, Wikidata:Q54900250

ID: CVCL_0378

Record Creation Time: 20220427T220706+0000

Record Last Update: 20260913T004703+0000

Ratings and Alerts

No rating or validation information has been found for KNS-42.

No alerts have been found for KNS-42.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Zhang Z, et al. (2026) Multi-omics profiling-derived signature links cellular ecosystem to glioblastoma prognosis. *iScience*, 29(6), 115982.

Eytan K, et al. (2025) Raphin-1 mediates the survival and sensitivity to radiation of pediatric-type diffuse high-grade glioma via phosphorylated eukaryotic initiation factor 2 γ -dependent and -independent processes. *Molecular oncology*, 19(9), 2648.

Cornelissen FMG, et al. (2025) Combined Inactivation of MEK and mTOR Can Lead to Synergistic Cell Death in Glioblastoma Models and Associates with NF1 Deficiency and a Mesenchymal Subtype. *Molecular cancer therapeutics*, 24(12), 1878.

Sehgal P, et al. (2025) NRCAM variant defined by microexon skipping is a targetable cell surface proteoform in high-grade gliomas. *Cell reports*, 44(8), 116099.

Uchida S, et al. (2024) Glypican-1-targeted antibody-drug conjugate inhibits the growth of glypican-1-positive glioblastoma. *Neoplasia (New York, N.Y.)*, 50, 100982.

Jane EP, et al. (2023) Targeting mitochondrial energetics reverses panobinostat- and marizomib-induced resistance in pediatric and adult high-grade gliomas. *Molecular oncology*, 17(9), 1821.

Mota M, et al. (2023) Targeting SWI/SNF ATPases in H3.3K27M diffuse intrinsic pontine gliomas. *Proceedings of the National Academy of Sciences of the United States of America*, 120(18), e2221175120.

Köferle A, et al. (2022) Interrogation of cancer gene dependencies reveals paralog interactions of autosome and sex chromosome-encoded genes. *Cell reports*, 39(2), 110636.

Chung C, et al. (2020) Integrated Metabolic and Epigenomic Reprograming by H3K27M Mutations in Diffuse Intrinsic Pontine Gliomas. *Cancer cell*, 38(3), 334.

Sanders LM, et al. (2020) Identification of a differentiation stall in epithelial mesenchymal transition in histone H3-mutant diffuse midline glioma. *GigaScience*, 9(12).

Pötschke R, et al. (2020) MSI1 Promotes the Expression of the GBM Stem Cell Marker CD44 by Impairing miRNA-Dependent Degradation. *Cancers*, 12(12).

Fang D, et al. (2018) H3.3K27M mutant proteins reprogram epigenome by sequestering the PRC2 complex to poised enhancers. *eLife*, 7.