

Resource Summary Report

Generated by [dkNET](#) on Sep 2, 2026

KYSE-270

RRID:CVCL_1350

Type: Cell Line

Proper Citation

RRID:CVCL_1350

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1350

Proper Citation: RRID:CVCL_1350

Description: Cell line KYSE-270 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Esophageal squamous cell carcinoma

Defining Citation: [PMID:1728357](#), [PMID:7913084](#), [PMID:11092977](#), [PMID:15172977](#), [PMID:16045545](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [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: KYSE-270

Synonyms: KYSE 270, KYSE270, Kyse270, KY-270

Cross References: CLO:CLO_0007131, EFO:EFO_0006629, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:576, BioSample:SAMN01821696, BioSample:SAMN03471049, BioSample:SAMN03473328, BioSample:SAMN10987933, cancercellines:CVCL_1350, Cell_Model_Passport:SIDM01029, CGH-DB:284-1, CGH-DB:9233-4, ChEMBL-Cells:ChEMBL3308753, ChEMBL-Targets:ChEMBL1075486, Cosmic:907319, Cosmic:1043242, Cosmic:1123340, Cosmic:1581077, Cosmic:1876247,

Cosmic:2698440, Cosmic-CLP:907319, DepMap:ACH-000873, DSMZ:ACC-380, DSMZCellDive:ACC-380, ECACC:94072021, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:907319, GEO:GSM827543, GEO:GSM887250, GEO:GSM888325, GEO:GSM1670020, IARC_TP53:21450, JCRB:JCRB1087, JCRB:NIHS0366, LiGeA:CCLE_575, LINCS_LDP:LCL-1552, PharmacDB:KYSE270_805_2019, PRIDE:PXD030304, Progenetix:CVCL_1350, PubChem_Cell_line:CVCL_1350, Wikidata:Q54900817

ID: CVCL_1350

Record Creation Time: 20220427T220712+0000

Record Last Update: 20260829T234437+0000

Ratings and Alerts

No rating or validation information has been found for KYSE-270.

Warning: Discontinued: JCRB; NIHS0366

Population: Japanese., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Yuan DJ, et al. (2026) Genotype-to-Phenotype Mapping of Somatic Clonal Mosaicism via Single-Cell Co-Capture of DNA Mutations and mRNA Transcripts. *Cancer discovery*, 16(4), 721.

Xue F, et al. (2025) CRISPR/Cas9 Screening Highlights PFKFB3 Gene as a Major Contributor to 5-Fluorouracil Resistance in Esophageal Cancer. *Cancers*, 17(10).

Tan Z, et al. (2023) Multigene Profiling of Circulating Tumor Cells in Esophageal Squamous Cell Carcinoma Identifies Prognostic Cancer Driver Genes Associated with Epithelial-Mesenchymal-Transition Progression and Chemoresistance. *Cancers*, 15(22).

Xu WW, et al. (2023) Genome-wide CRISPR/Cas9 screening identifies a targetable MEST-PURA interaction in cancer metastasis. *EBioMedicine*, 92, 104587.

Sadatom D, et al. (2020) Weak acids induce PGE2 production in human oesophageal cells: novel mechanisms underlying GERD symptoms. *Scientific reports*, 10(1), 20775.

Yu VZ, et al. (2019) Endoplasmic reticulum-localized ECM1b suppresses tumor growth and regulates MYC and MTORC1 through modulating MTORC2 activation in esophageal

squamous cell carcinoma. Cancer letters, 461, 56.