

Resource Summary Report

Generated by [NIF](#) on Sep 10, 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: 20260905T180957+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 [NIF](#) .

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.