

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

OCUM-1

RRID:CVCL_3084

Type: Cell Line

Proper Citation

RRID:CVCL_3084

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3084

Proper Citation: RRID:CVCL_3084

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

Sex: Female

Disease: Gastric signet ring cell adenocarcinoma

Defining Citation: [PMID:1961183](#), [PMID:15723654](#), [PMID:20215515](#), [PMID:21115893](#), [PMID:22327936](#), [PMID:22460905](#), [PMID:24807215](#), [PMID:25343454](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:29435981](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31978347](#), [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: OCUM-1

Synonyms: OCUM1, Osaka City University Medical school-1

Cross References: BTO:BTO_0005918, CLO:CLO_0037145, EFO:EFO_0006714, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioSample:SAMN03471652, BioSample:SAMN03473049, BioSample:SAMN10987922, cancercellines:CVCL_3084, Cell_Model_Passport:SIDM00568, CGH-DB:131-1, Cosmic:1889265, Cosmic:2009531, Cosmic:2443794, Cosmic:2484967, Cosmic:2807640, Cosmic-CLP:1298358, DepMap:ACH-000247, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:1298358, GEO:GSM552369, GEO:GSM827576,

GEO:GSM887474, GEO:GSM888554, GEO:GSM1374795, GEO:GSM1670301, JCRB:JCRB0192, LiGeA:CCLE_111, LINCS_LDP:LCL-2002, PharmacDB:OCUM1_1193_2019, PRIDE:PXD030304, Progenetix:CVCL_3084, Wikidata:Q54931820

ID: CVCL_3084

Record Creation Time: 20220427T221356+0000

Record Last Update: 20260829T235505+0000

Ratings and Alerts

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

No alerts have been found for OCUM-1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Sasahara M, et al. (2024) Therapeutic antibody targeting natriuretic peptide receptor 1 inhibits gastric cancer growth via BCL-2-mediated intrinsic apoptosis. International journal of cancer, 154(7), 1272.

Liu L, et al. (2024) Acyltransferase zinc finger DHHC-type containing 2 aggravates gastric carcinoma growth by targeting Nrf2 signaling: A mechanism-based multicomination bionic nano-drug therapy. Redox biology, 70, 103051.

Liu K, et al. (2024) HMGB1 in exosomes derived from gastric cancer cells induces M2-like macrophage polarization by inhibiting the NF- κ B signaling pathway. Cell biology international, 48(3), 334.

Hu C, et al. (2024) Proteome-based molecular subtyping and therapeutic target prediction in gastric cancer. Molecular oncology, 18(6), 1437.

Umeda S, et al. (2022) Lysosomal-associated membrane protein family member 5 promotes the metastatic potential of gastric cancer cells. Gastric cancer : official journal of the International Gastric Cancer Association and the Japanese Gastric Cancer Association, 25(3), 558.

Nargund AM, et al. (2022) Chromatin Rewiring by Mismatch Repair Protein MSH2 Alters Cell Adhesion Pathways and Sensitivity to BET Inhibition in Gastric Cancer. Cancer research, 82(14), 2538.

Tanaka H, et al. (2022) Transcriptomic profiling on localized gastric cancer identified CPLX1 as a gene promoting malignant phenotype of gastric cancer and a predictor of recurrence after surgery and subsequent chemotherapy. *Journal of gastroenterology*, 57(9), 640.