

Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

UM-RC-2

RRID:CVCL_2739

Type: Cell Line

Proper Citation

RRID:CVCL_2739

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2739

Proper Citation: RRID:CVCL_2739

Description: Cell line UM-RC-2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Sex unspecified

Disease: Clear cell renal cell carcinoma

Defining Citation: [PMID:4038766](#), [PMID:7915601](#), [PMID:28489074](#), [PMID:30894373](#), [PMID:31068700](#)

Comments: Population: Caucasian., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: UM-RC-2

Synonyms: UMRC-2, UMRC2, University of Michigan-Renal Carcinoma-2

Cross References: cancercellines:CVCL_2739, CancerTools:160446, Cell_Model_Passport:SIDM01830, Cosmic:972910, DepMap:ACH-001224, ECACC:08090511, GEO:GSM374476, PharmacDB:UMRC2_1645_2019, Progenetix:CVCL_2739, Wikidata:Q54990783, Ximbio:160446

ID: CVCL_2739

Record Creation Time: 20220427T221656+0000

Record Last Update: 20260905T182653+0000

Ratings and Alerts

No rating or validation information has been found for UM-RC-2.

No alerts have been found for UM-RC-2.

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](#) .

Uprety A, et al. (2026) SETD2 Deficiency Drives Mitochondrial DNA Leakage and Creates a Druggable Dependency on BCL-xL in Clear Cell Renal Cell Carcinoma. *Cancer research*, 86(15), 3838.

Koochaki P, et al. (2026) Structure-guided optimization of SLC1A1/EAAT3-selective inhibitors targeting renal cancer metabolism. *The EMBO journal*, 45(11), 3763.

Grubb T, et al. (2025) The SLC1A1/EAAT3 dicarboxylic amino acid transporter is an epigenetically dysregulated nutrient carrier that sustains oncogenic metabolic programs. *Nature communications*, 16(1), 10012.

Koochaki P, et al. (2025) Mechanism and Structure-Guided Optimization of SLC1A1/EAAT3-Selective Inhibitors in Kidney Cancer. *bioRxiv : the preprint server for biology*.

Riscal R, et al. (2024) Bile Acid Metabolism Mediates Cholesterol Homeostasis and Promotes Tumorigenesis in Clear Cell Renal Cell Carcinoma. *Cancer research*, 84(10), 1570.

Sueyoshi K, et al. (2021) Multi-tumor analysis of cancer-stroma interactomes of patient-derived xenografts unveils the unique homeostatic process in renal cell carcinomas. *iScience*, 24(11), 103322.