

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

U-138MG

RRID:CVCL_0020

Type: Cell Line

Proper Citation

RRID:CVCL_0020

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0020

Proper Citation: RRID:CVCL_0020

Description: Cell line U-138MG is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Astrocytoma

Defining Citation: [PMID:450131](#), [PMID:833871](#), [PMID:2454731](#), [PMID:3518877](#), [PMID:3675803](#), [PMID:4134536](#), [PMID:4313504](#), [PMID:4337530](#), [PMID:4369403](#), [PMID:6220172](#), [PMID:6260907](#), [PMID:6582512](#), [PMID:9842975](#), [PMID:10416987](#), [PMID:14614447](#), [PMID:14655754](#), [PMID:14961077](#), [PMID:16697959](#), [PMID:16957166](#), [PMID:17595512](#), [PMID:19365568](#), [PMID:19435942](#), [PMID:20215515](#), [PMID:22282976](#), [PMID:22460905](#), [PMID:22570425](#), [PMID:27582061](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:33385022](#)

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

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: U-138MG

Synonyms: U-138 MG, U-138-MG, U138-MG, U 138 MG, U138MG, U138, 138 MG, 138MG

Cross References: BTO:BTO_0002127, CLO:CLO_0009452, CLO:CLO_0009453, CLDB:cl4577, ArrayExpress:E-MTAB-38, ATCC:HTB-16, BCRJ:0239,

BioGRID_ORCS_Cell_line:1536, BioSample:SAMN01821604, BioSample:SAMN01821668, BioSample:SAMN03472727, BioSample:SAMN10987758, cancercellines:CVCL_0020, Cell_Model_Passport:SIDM01192, ChEMBL-Cells:ChEMBL4295387, ChEMBL-Targets:ChEMBL4296506, CLS:300363, Cosmic:755288, Cosmic:850744, Cosmic:1571920, Cosmic:1610739, Cosmic:1746952, Cosmic:2060806, Cosmic:2301555, Cosmic:2302317, Cosmic:2580917, Cosmic:2701085, DepMap:ACH-001214, DSMZ:ACC-291, DSMZCellDive:ACC-291, GEO:GSM101673, GEO:GSM101674, GEO:GSM326234, GEO:GSM887719, GEO:GSM888813, GEO:GSM7701433, GEO:GSM7701434, IGRhCellID:U138MG, LINCS_LDP:LCL-1359, Lonza:104, PharmacDB:U138MG_1617_2019, Progenetix:CVCL_0020, PubChem_Cell_line:CVCL_0020, Wikidata:Q54973513

ID: CVCL_0020

Record Creation Time: 20220427T221639+0000

Record Last Update: 20260816T000021+0000

Ratings and Alerts

No rating or validation information has been found for U-138MG.

No alerts have been found for U-138MG.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Sidhu RS, et al. (2026) Rap1b promotes glioma growth and stemness via regulation of Notch1 and VEGFR2 signaling pathways. Cellular signalling, 143, 112457.

Sun J, et al. (2026) Cinobufotalin reduces glioblastoma resistance to temozolomide by inhibiting the CCL5-mediated PI3K/Akt/mTOR signaling pathway. Translational cancer research, 15(3), 159.

Kucwaj-Brysz K, et al. (2026) Spirohydantoin derivatives exert dopamine D2-like receptor-independent cytotoxicity in glioblastoma cells with possible involvement of calpain inhibition. Scientific reports, 16(1).

Veltsista PD, et al. (2026) Non-Temperature-Induced Antitumor Effects of Amplitude-Modulated Radiofrequency: Molecular and Functional Synergies with Radiotherapy. Cancers, 18(10).

Tang M, et al. (2024) Inhibition of thioredoxin reductase 1 sensitizes glucose-starved glioblastoma cells to disulfidptosis. *Cell death and differentiation*.

Gale JR, et al. (2023) Copper induces neuron-sparing, ferredoxin 1-independent astrocyte toxicity mediated by oxidative stress. *Journal of neurochemistry*, 167(2), 277.

Wang S, et al. (2023) Oncolytic viruses engineered to enforce cholesterol efflux restore tumor-associated macrophage phagocytosis and anti-tumor immunity in glioblastoma. *Nature communications*, 14(1), 4367.

Fischle A, et al. (2022) A Sensitive LC-MS/MS Method for the Simultaneous Determination of Two Thia-Analogous Indirubin N-Glycosides and Indirubin-3'-Monoxime in Plasma and Cell Culture Medium. *Molecules (Basel, Switzerland)*, 27(9).

Rupprecht A, et al. (2022) The Combination of Δ^9 -Tetrahydrocannabinol and Cannabidiol Suppresses Mitochondrial Respiration of Human Glioblastoma Cells via Downregulation of Specific Respiratory Chain Proteins. *Cancers*, 14(13).

Han W, et al. (2022) Targeting HOTAIRM1 ameliorates glioblastoma by disrupting mitochondrial oxidative phosphorylation and serine metabolism. *iScience*, 25(8), 104823.

Ogunnaike EA, et al. (2021) Fibrin gel enhances the antitumor effects of chimeric antigen receptor T cells in glioblastoma. *Science advances*, 7(41), eabg5841.

Nehama D, et al. (2019) B7-H3-redirected chimeric antigen receptor T cells target glioblastoma and neurospheres. *EBioMedicine*, 47, 33.

Vehlow A, et al. (2019) Interaction of Discoidin Domain Receptor 1 with a 14-3-3-Becclin-1-Akt1 Complex Modulates Glioblastoma Therapy Sensitivity. *Cell reports*, 26(13), 3672.

Braun CJ, et al. (2017) Coordinated Splicing of Regulatory Detained Introns within Oncogenic Transcripts Creates an Exploitable Vulnerability in Malignant Glioma. *Cancer cell*, 32(4), 411.

Xu Y, et al. (2017) N-Glycosylation at Asn 402 Stabilizes N-Cadherin and Promotes Cell-Cell Adhesion of Glioma Cells. *Journal of cellular biochemistry*, 118(6), 1423.