

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

MPC-5

RRID:CVCL_AS87

Type: Cell Line

Proper Citation

Ubigen Cat# YC-A104, RRID:CVCL_AS87

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_AS87

Proper Citation: Ubigen Cat# YC-A104, RRID:CVCL_AS87

Description: Cell line MPC-5 is a Conditionally immortalized cell line with a species of origin *Mus musculus* (Mouse)

Sex: Sex unspecified

Defining Citation: [PMID:9344605](#)

Category: Conditionally immortalized cell line

Organism: *Mus musculus* (Mouse)

Name: MPC-5

Synonyms: MPC5, Mouse Podocyte Clone-5

Cross References: CLS:305481, Ubigen:YC-A104, Wikidata:Q54906443, Ximbio:152136

ID: CVCL_AS87

Vendor: Ubigen

Catalog Number: YC-A104

Record Creation Time: 20250130T072140+0000

Record Last Update: 20260905T184057+0000

Ratings and Alerts

No rating or validation information has been found for MPC-5.

No alerts have been found for MPC-5.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Du X, et al. (2026) Urinary exosomes aggravate diabetic kidney disease by inducing podocyte ferroptosis via the miR-217/SIRT1/Nrf2 pathway. Journal of cell communication and signaling, 20(2), e70076.

Zhao Y, et al. (2025) miR-205-5p ameliorates podocyte injury in diabetic nephropathy by targeting vascular endothelial growth factor A. Science progress, 108(3), 368504251372305.

Cai A, et al. (2024) Podocyte Pathogenic Bone Morphogenetic Protein-2 Pathway and Immune Cell Behaviors in Primary Membranous Nephropathy. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(29), e2404151.

Garsen M, et al. (2023) Peroxisome proliferator-activated receptor γ agonist mediated inhibition of heparanase expression reduces proteinuria. EBioMedicine, 90, 104506.

Zang N, et al. (2022) cGAS-STING activation contributes to podocyte injury in diabetic kidney disease. iScience, 25(10), 105145.

Li L, et al. (2021) PGC1 α is required for the renoprotective effect of lncRNA Tug1 in vivo and links Tug1 with urea cycle metabolites. Cell reports, 36(6), 109510.

Qin X, et al. (2020) Berberine protects against diabetic kidney disease via promoting PGC-1 α -regulated mitochondrial energy homeostasis. British journal of pharmacology, 177(16), 3646.

Zhang J, et al. (2019) Catalpol alleviates adriamycin-induced nephropathy by activating the SIRT1 signalling pathway in vivo and in vitro. British journal of pharmacology, 176(23), 4558.