Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 31, 2025

mIMCD-3

RRID:CVCL_0429
Type: Cell Line

Proper Citation

(ATCC Cat# CRL-2123, RRID:CVCL_0429)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0429

Proper Citation: (ATCC Cat# CRL-2123, RRID:CVCL_0429)

Sex: Sex unspecified

Defining Citation: PMID:8214101, PMID:31220119

Category: Transformed cell line

Name: mIMCD-3

Synonyms: mIMCD3, IMCD-3, IMCD3, mouse Inner Medullary Collecting Duct-3

Cross References: BTO:BTO_0003913, CLO:CLO_0007730, EFO:EFO_0002073, MCCL:MCC:0000500, ATCC:CRL-2123, BioSample:SAMN11397642, Lonza:10, MetaboLights:MTBLS1093, Wikidata:Q28472922

ID: CVCL_0429

Vendor: ATCC

Catalog Number: CRL-2123

Record Creation Time: 20250131T201359+0000

Record Last Update: 20250131T203010+0000

Ratings and Alerts

No rating or validation information has been found for mIMCD-3.

No alerts have been found for mIMCD-3.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 29 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Hall ET, et al. (2024) Cytoneme signaling provides essential contributions to mammalian tissue patterning. Cell, 187(2), 276.

Fagan RR, et al. (2024) Selective targeting of mu opioid receptors to primary cilia. Cell reports, 43(5), 114164.

Tham MS, et al. (2024) Deletion of Aurora kinase A prevents the development of polycystic kidney disease in mice. Nature communications, 15(1), 371.

Zhang K, et al. (2023) Primary cilia are WNT-transducing organelles whose biogenesis is controlled by a WNT-PP1 axis. Developmental cell, 58(2), 139.

Roudot P, et al. (2023) u-track3D: Measuring, navigating, and validating dense particle trajectories in three dimensions. Cell reports methods, 3(12), 100655.

Rothé B, et al. (2023) Antagonistic interactions among structured domains in the multivalent Bicc1-ANKS3-ANKS6 protein network govern phase transitioning of target mRNAs. iScience, 26(6), 106855.

Szymanska K, et al. (2022) Regulation of canonical Wnt signalling by the ciliopathy protein MKS1 and the E2 ubiquitin-conjugating enzyme UBE2E1. eLife, 11.

Marchese E, et al. (2022) Metabolomic fingerprinting of renal disease progression in Bardet-Biedl syndrome reveals mitochondrial dysfunction in kidney tubular cells. iScience, 25(11), 105230.

Wu M, et al. (2022) Transcription factor Ap2b regulates the mouse autosomal recessive polycystic kidney disease genes, Pkhd1 and Cys1. Frontiers in molecular biosciences, 9, 946344.

Zheng X, et al. (2022) Repression of hypoxia-inducible factor-1 contributes to increased mitochondrial reactive oxygen species production in diabetes. eLife, 11.

Kojima R, et al. (2022) Novel function of the C-terminal region of the Hsp110 family member Osp94 in unfolded protein refolding. Journal of cell science, 135(6).

Ramalingam H, et al. (2021) A methionine-Mettl3-N6-methyladenosine axis promotes polycystic kidney disease. Cell metabolism, 33(6), 1234.

Gopalan J, et al. (2021) Targeting an anchored phosphatase-deacetylase unit restores renal ciliary homeostasis. eLife, 10.

Jewett CE, et al. (2021) RAB19 Directs Cortical Remodeling and Membrane Growth for Primary Ciliogenesis. Developmental cell, 56(3), 325.

Speight P, et al. (2021) Myocardin-related transcription factor and serum response factor regulate cilium turnover by both transcriptional and local mechanisms. iScience, 24(7), 102739.

Somatilaka BN, et al. (2020) Ankmy2 Prevents Smoothened-Independent Hyperactivation of the Hedgehog Pathway via Cilia-Regulated Adenylyl Cyclase Signaling. Developmental cell, 54(6), 710.

Lauver MD, et al. (2020) Antibody escape by polyomavirus capsid mutation facilitates neurovirulence. eLife, 9.

Leite APO, et al. (2019) Modulation of renin angiotensin system components by high glucose levels in the culture of collecting duct cells. Journal of cellular physiology, 234(12), 22809.

Walia V, et al. (2019) Akt Regulates a Rab11-Effector Switch Required for Ciliogenesis. Developmental cell, 50(2), 229.

Yammine L, et al. (2019) Lipocalin-2 Regulates Epidermal Growth Factor Receptor Intracellular Trafficking. Cell reports, 29(7), 2067.