Resource Summary Report

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H9c2(2-1)

RRID:CVCL_0286
Type: Cell Line

Proper Citation

(RRID:CVCL_0286)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0286

Proper Citation: (RRID:CVCL_0286)

Sex: Sex unspecified

Defining Citation: PMID:943302, PMID:1683272, PMID:17662623, PMID:21082279

Category: Spontaneously immortalized cell line

Name: H9c2(2-1)

Synonyms: H9c2 (2-1), H9c2, H9C2

Cross References: BTO:BTO_0001879, CLO:CLO_0003614, MCCL:MCC:0000176, CLDB:cl1558, CLDB:cl5196, AddexBio:C0031002/5017, ATCC:CRL-1446, BCRC:60096, BCRJ:0098, CCRID:1101RAT-PUMC000219, CCRID:3101RATGNR5, CCRID:4201RAT-CCTCC00606, CCTCC:GDC0606, ChEMBL-Cells:CHEMBL3307653, ChEMBL-Targets:CHEMBL614576, CLS:305203, ECACC:88092904, GEO:GSM1513690, IZSLER:BS CL 151, KCLB:21446, Lonza:1016, NCBI_Iran:C585, PubChem_Cell_line:CVCL_0286, Ubigene:YC-A009, Wikidata:Q9363821

ID: CVCL_0286

Record Creation Time: 20250131T200133+0000

Record Last Update: 20250131T201249+0000

Ratings and Alerts

No rating or validation information has been found for H9c2(2-1).

No alerts have been found for H9c2(2-1).

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 1588 mentions in open access literature.

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

Kuo CY, et al. (2025) The protective effects of liraglutide in reducing lipid droplets accumulation and myocardial fibrosis in diabetic cardiomyopathy. Cellular and molecular life sciences : CMLS, 82(1), 39.

Di Pietro P, et al. (2025) Plasma miR-1-3p levels predict severity in hospitalized COVID-19 patients. British journal of pharmacology, 182(2), 451.

Su C, et al. (2024) Tudor-SN promotes cardiomyocyte proliferation and neonatal heart regeneration through regulating the phosphorylation of YAP. Cell communication and signaling : CCS, 22(1), 345.

Huang X, et al. (2024) The activation of P38MAPK Signaling Pathway Impedes the Delivery of the Cx43 to the Intercalated Discs During Cardiac Ischemia-Reperfusion Injury. Journal of cardiovascular translational research, 17(5), 1140.

Gáspár R, et al. (2024) Kynurenic acid protects against ischemia/reperfusion injury by modulating apoptosis in cardiomyocytes. Apoptosis : an international journal on programmed cell death, 29(9-10), 1483.

Wu A, et al. (2024) The activation of LBH-CRYAB signaling promotes cardiac protection against I/R injury by inhibiting apoptosis and ferroptosis. iScience, 27(5), 109510.

Dong Y, et al. (2024) Deficiency in Prader-Willi syndrome gene necdin leads to attenuated cardiac contractility. iScience, 27(6), 109974.

Canale V, et al. (2024) Improving Activity of New Arylurea Agents against Multidrug-Resistant and Biofilm-Producing Staphylococcus epidermidis. ACS medicinal chemistry letters, 15(3), 369.

Wu R, et al. (2024) Circ-CIMIRC inhibition alleviates CIH-induced myocardial damage via FbxL4-mediated ubiquitination of PINK1. iScience, 27(2), 108982.

Guo X, et al. (2024) Ultrasound-targeted microbubble technology facilitates SAHH gene

delivery to treat diabetic cardiomyopathy by activating AMPK pathway. iScience, 27(2), 108852.

Bai X, et al. (2024) Cardiac Fibroblasts Enhance MMP2 Activity to Suppress Gap Junction Function in Cardiomyocytes. Applied biochemistry and biotechnology.

Wang WW, et al. (2024) Structure-based design of non-hypertrophic apelin receptor modulator. Cell, 187(6), 1460.

Zhao J, et al. (2024) AP39 through AMPK-ULK1-FUNDC1 pathway regulates mitophagy, inhibits pyroptosis, and improves doxorubicin-induced myocardial fibrosis. iScience, 27(4), 109321.

Song K, et al. (2023) WTAP boosts lipid oxidation and induces diabetic cardiac fibrosis by enhancing AR methylation. iScience, 26(10), 107931.

Ruiz-Velasco A, et al. (2023) Restored autophagy is protective against PAK3-induced cardiac dysfunction. iScience, 26(6), 106970.

Lu Y, et al. (2023) Penehyclidine Hydrochloride Protects Rat Cardiomyocytes from Ischemia-Reperfusion Injury by Platelet-derived Growth Factor-B. Combinatorial chemistry & high throughput screening, 26(6), 1204.

Wu T, et al. (2023) Wet adhesive hydrogel cardiac patch loaded with anti-oxidative, autophagy-regulating molecule capsules and MSCs for restoring infarcted myocardium. Bioactive materials, 21, 20.

Takase S, et al. (2023) A specific G9a inhibitor unveils BGLT3 lncRNA as a universal mediator of chemically induced fetal globin gene expression. Nature communications, 14(1), 23.

Viola HM, et al. (2023) A maladaptive feedback mechanism between the extracellular matrix and cytoskeleton contributes to hypertrophic cardiomyopathy pathophysiology. Communications biology, 6(1), 4.

Li C, et al. (2023) MicroRNA?194?5p attenuates hypoxia/reoxygenation?induced apoptosis in H9C2 cardiomyocytes by inhibiting the over?activation of RAC1 protein. Molecular medicine reports, 27(2).