

ALL IMAGES VIDEOS

59,000 Results Any time ▾

Targeted disruption of the heat shock protein 20 ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4239479>

Oct 26, 2014 The small heat shock protein, HSP20 is transiently up-regulated during stress/injury to the heart and underpins a plethora of cardio-protective properties including protection against apoptosis, inflammatory signalling, agonist-induced remodelling, and regulation of Ca²⁺ cycling.

Cited by: 26 Author: Tamara P. Martin, Maria P. Hortigon-Vinagr...
Publish Year: 2014

Targeted disruption of the heat shock protein 20 ...

<https://febs.onlinelibrary.wiley.com/doi/full/10.1016/j.febs.2014.10.011>

Oct 28, 2014 Phosphorylated heat shock protein 20 (HSP20) is cardioprotective. Using human induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CMs) and a mouse model of pressure overload mediated hypertrophy, we show that peptide disruption of the HSP20-phosphodiesterase 4D (PDE4D) complex results in attenuation of action potential prolongation and protection against adverse cardiac ...

Cited by: 26 Author: Tamara P. Martin, Maria P. Hortigon-Vinagr...
Publish Year: 2014

PEOPLE ALSO ASK

What are the functions of heat shock proteins? ✓

How does the HSP protect cells from damage? ✓

Why are HSPs a viable target for cancer immunotherapy? ✓

[Feedback](#)

Sublethal heat shock induces premature senescence rather ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3982025>

Sep 29, 2013 Heat shock induced MSC cell cycle arrest and premature senescence. We did not registered reduced viability of cells subjected to heat shock but noticed that heating at 45 °C for 30 min but not 10 min slowed down cell proliferation and had impact on the their morphology.

Cited by: 29 Author: Larisa L. Alekseenko, Victoria I. Zemliko, A...
Publish Year: 2014

Targeted disruption of the heat shock protein 20 ...

<https://www.sciencedirect.com/science/article/pii/S2211546314001004>

Jan 01, 2014 Phosphorylated heat shock protein 20 (HSP20) is cardioprotective. Using human induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CMs) and a mouse model of pressure overload mediated hypertrophy, we show that peptide disruption of the HSP20-phosphodiesterase 4D (PDE4D) complex results in attenuation of action potential prolongation and protection against adverse cardiac ...

Cited by: 26 Author: Tamara P. Martin, Maria P. Hortigon-Vinagr...
Publish Year: 2014

[1](#) [2](#) [3](#) [4](#) [5](#) [>](#)

15-May-2021 01:07PM
3435 words • 54 matches • 29 sources
FAO

iThenticate®
64222_CrossCheck.docx
Quotes Included
Bibliography Included
26%
similarity

26

Name of Journal: *World Journal of Stem Cells*
Manuscript NO: 64222
Manuscript Type: ORIGINAL ARTICLE

Basic Study

Heat shock protein 20 promotes sirtuin-1-dependent cellular proliferation in induced pluripotent stem cells

Ullah M *et al.* HSP for cellular proliferation in iPSCs

Mujib Ullah, Nicole Pek Min Qian, Gustavo Yannarelli, Asma Akbar

29

Abstract

BACKGROUND

Heat shock proteins (HSPs) are molecular chaperones that protect cells against cellular stresses or injury. However, they are also increasingly recognized to play crucial roles in regulating fundamental cellular processes. HSP20 has been implicated in cellular

Match Overview

1	Internet 186 words crawled on 15-Aug-2017 previews-stemcells.biomedcentral.com	5%
2	Crossref 111 words M Ullah, Y Kuroda, T J Bartosh, F Liu, Q Zhao, C Gregor y, R Rager, J Xu, R H Lee, D J Prockop. "IPS-derived MS	3%
3	Internet 102 words crawled on 07-Sep-2017 hyper-shajournals.org	3%
4	Internet 99 words crawled on 17-Jan-2020 www.nature.com	3%
5	Crossref 68 words Olcsya V. Bukach. "Some properties of human small he-shock protein Hsp20 (HspB6)", <i>European Journal of Bio</i>	2%
6	Internet 33 words crawled on 15-Mar-2021 www.frontiersin.org	1%
7	Crossref 29 words Yi Lin, Zhongjie Sun. "Antiaging Gene Attenuates Pancre-atic β -Cell Apoptosis in Type 1 Diabetes ", <i>Diabetes</i> , 2015	1%
8	Internet 29 words crawled on 13-Jun-2020 www.mdpi.com	1%

PAGE: 1 OF 12
Text-Only Report

国内版 国际版

Heat shock protein 20 promotes sirtuin-1-dependent cellular prolif



ALL IMAGES VIDEOS

58,000 Results Any time ▾

Targeted disruption of the heat shock protein 20 ...

<https://febs.onlinelibrary.wiley.com/doi/full/10.1016/j.fob.2014.10.011>

Oct 28, 2014 · Phosphorylated heat shock protein 20 (HSP20) is cardioprotective. Using human induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CMs) and a mouse model of pressure...

Cited by: 26 Author: Tamara P. Martin, Maria P. Hortigon-Vinag...

Publish Year: 2014

Targeted disruption of the heat shock protein 20 ...

<https://www.sciencedirect.com/science/article/pii/S2211546314001004>

Jan 01, 2014 · Phosphorylated heat shock protein 20 (HSP20) is cardioprotective. Using human induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CMs) and a mouse model of pressur...

Cited by: 26 Author: Tamara P. Martin, Maria P. Hortigon-Vinag...

Publish Year: 2014

PEOPLE ALSO ASK

What are the functions of heat shock proteins? ▾

What are cold shock proteins? ▾

How does the HSP protect cells from damage? ▾

How does UNR work with other cold shock proteins? ▾

Feedback

Role of Heat Shock Proteins in Stem Cell Behavior ...

<https://www.sciencedirect.com/science/article/pii/B9780123984593000149>

Jan 01, 2012 · Stress response is well appreciated to induce the expression of **heat shock proteins** (Hsps) in the cell. Numerous studies have demonstrated that Hsps function as molecular chaperones i...

Cited by: 57 Author: Guo-Chang Fan

Publish Year: 2012

Sublethal heat shock induces premature senescence rather ...