

**(PDF) Profilin-1 Is Expressed in Human Atherosclerotic ...**

<https://www.researchgate.net/publication/47676795...>

Oct 25, 2010 · Conclusions: Profilin-1 expression is significantly enhanced in human atherosclerotic plaques compared to the normal vessel wall, and the serum levels of profilin-1 ...

**Involvement of profilin-1 in angiotensin II-induced ...**

[https://www.researchgate.net/publication/51140554\\_Involvement\\_of\\_profilin-1\\_in...](https://www.researchgate.net/publication/51140554_Involvement_of_profilin-1_in...)

Profilin-1, a regulator of actin polymerization, has recently been linked to vascular hypertrophy and remodeling. Whether profilin-1 is involved in angiotensin (Ang) II-induced proliferation of ...

**Attenuated Expression of Profilin-1 Confers Protection ...**

<https://www.researchgate.net/publication/6223283...>

Treatment with AGEs significantly induced the expression of profilin-1 and ROS production in human umbilical vein endothelial cells (HUVECs), whereas knockdown of profilin-1 diminished AGE-induced ...

**Vascular Smooth Muscle Cell Activation by Glycated Albumin ...**

<https://www.ahajournals.org/doi/10.1161/hy1201.097300>

**Methods**

**Results**

**Discussion**

Cell Culture and RNA Extraction

Rat VSMCs were isolated by elastase and collagenase digestion of thoracic aortae from male Wistar rats. Total RNA was extracted from confluent VSMCs by use of a modified guanidinium isothiocyanate method.<sup>22</sup>

[See more on ahajournals.org](https://www.ahajournals.org)

**Profilin-1 contributes to cardiac injury induced by ...**

<https://pubmed.ncbi.nlm.nih.gov/28901418>

Cardiac injury, including hypertrophy and fibrosis, induced by advanced glycation end products (AGEs) has an important function in the onset and development of diabetic cardiomyopathy. Profilin-1, a ubiquitously expressed and multifunctional actin-binding protein, has been reported to be an important mediator in cardiac hypertrophy and fibrosis. However, whether profilin-1 is involved in AGE-induced ...

Cited by: 8 Author: Dafeng Yang, Weiwei Liu, Liping Ma, Ya Wa...  
Publish Year: 2017

**[PDF] Profilin-1 contributes to cardiac injury induced by ...**

<https://pdfs.semanticscholar.org/66b9/e334eb1e5cca...>

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**Profilin-1 contributes to cardiac injury induced by ...**

<https://www.spandidos-publications.com/10.3892/mmr.2017.7446>

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Publish Year: 2017

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*Basic Study*

**Profilin-1 is involved in macroangiopathy induced by advanced glycation end products (AGEs) via vascular remodeling and inflammation**

Xiao ZL *et al.* Profilin-1 mediated AGEs-induced macroangiopathy

Zhi-Lin Xiao, Li-Ping Ma, Da-Feng Yang, Mei Yang, Zhen-Yu Li, Mei-Fang Chen

Received: May 26, 2021

Revised: June 29, 2021

Accepted:

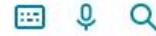
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<https://europepmc.org/article/MED/28901418> ▾

Sep 08, 2017 · Cardiac injury, including hypertrophy and fibrosis, induced by advanced glycation end products (AGEs) has an important function in the onset and development of diabetic cardiomyopathy. Profilin-1, a ubiquitously expressed and multifunctional actin-binding protein, has been reported to be an important mediator in cardiac hypertrophy and ...

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Publish Year: 2017

### [PDF] [Profilin-1 contributes to cardiac injury induced by ...](#)

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induced by advanced glycation end products (AGEs) has an ... has been reported to be an important mediator in cardiac hypertrophy and fibrosis. However, whether profilin-1 is involved in AGE-induced cardiac hypertrophy and fibrosis remains to be determined. ... vascular inflammation and remodeling under pathological stimulations, including ...

### [Profilin-1 contributes to cardiac injury induced by ...](#)

<https://www.spandidos-publications.com/10.3892/mmr.2017.7446> ▾

Cardiac injury, including hypertrophy and fibrosis, induced by advanced glycation end products (AGEs) has an important function in the onset and development of diabetic cardiomyopathy. Profilin-1, a ubiquitously expressed and multifunctional actin-binding protein, has been reported to be an important mediator in cardiac hypertrophy and fibrosis. However, whether profilin-1 is involved in ...

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Publish Year: 2017

### [e0305 The effect of profilin-1 on vascular injury caused ...](#)

<https://www.researchgate.net/publication/270739592...>

Objective The aims of this study were to explore the effect of Profilin-1 on vascular injury caused by advanced glycation end products, So as to provide a new therapeutic approach with diabetic ...

### [A Positive Feedback Loop of Profilin-1 and RhoA/ROCK1 ...](#)

<https://europepmc.org/article/MED/29849894> ▾

Apr 04, 2018 · Previous studies have shown that profilin-1 could be induced by advanced glycation