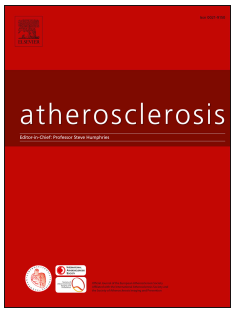
Accepted Manuscript



MicroRNA-132 targeting PTEN contributes to cilostazol-promoted vascular smooth muscle cell differentiation

Wei-Jan Chen, Ying-Hwa Chen, Yu-Juei Hsu, Kwang-Huei Lin, Yung-Hsin Yeh

PII: S0021-9150(18)30215-6

DOI: 10.1016/j.atherosclerosis.2018.04.030

Reference: ATH 15483

To appear in: *Atherosclerosis*

Received Date: 1 June 2017

Revised Date: 9 April 2018

Accepted Date: 25 April 2018

Please cite this article as: Chen W-J, Chen Y-H, Hsu Y-J, Lin K-H, Yeh Y-H, MicroRNA-132 targeting PTEN contributes to cilostazol-promoted vascular smooth muscle cell differentiation, *Atherosclerosis* (2018), doi: 10.1016/j.atherosclerosis.2018.04.030.

MicroRNA-132 targeting PTEN contributes to cilostazol-promoted vascular smooth muscle cell differentiation

Wei-Jan Chen[1], Ying-Hwa Chen[2], Yu-Juei Hsu[3], Kwang-Huei Lin[4], Yung-Hsin Yeh[1]

[1]Division of Cardiology, Chang Gung Memorial Hospital, Chang Gung University College of Medicine, Tao-Yuan, Taiwan

[2]Division of Cardiology, Department of Internal Medicine, Taipei Veterans General Hospital, National Yang-Ming University College of Medicine, Taipei, Taiwan

[3]Division of Nephrology, Department of Internal Medicine, Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan

[4]Department of Biochemistry, College of Medicine, Chang-Gung University, Liver Research Center, Chang Gung Memorial Hospital, Tao-Yuan, Taiwan

Correspondence to:

Wei-Jan Chen, Division of Cardiology, Chang Gung Memorial Hospital, Chang Gung University, No. 5, Fu-Shin Road, Kwei-Shan 333, Tao-Yuan, Taiwan

E-mail: wjchen@adm.cgmh.org.tw,Tel: 886-3-3281200, Fax: 886-3-3271192

Yu-Juei Hsu, Division of Nephrology, Tri-Service General Hospital, National Defense Medical Center, No. 325, Section 2, Cheng-Kung Road, Neihu 114, Taipei, Taiwan

E-mail: yujuei@mail2000.com.tw, Tel: 886-2-87927213, Fax: 886-2-87927134

Abstract

Background and aims: Cilostazol, beyond its antiplatelet effect, is also capable of promoting vascular smooth muscle cell (VSMC) differentiation. The aim of this study