

Accepted Manuscript

Hepatic Transmembrane 6 Superfamily Member 2 Regulates Cholesterol Metabolism in Mice

Yanbo Fan, Haocheng Lu, Yanhong Guo, Tianqing Zhu, Minerva T. Garcia-Barrio, Zhisheng Jiang, Cristen J. Willer, Jifeng Zhang, Y Eugene Chen

PII: S0016-5085(16)00044-5
DOI: [10.1053/j.gastro.2016.01.005](https://doi.org/10.1053/j.gastro.2016.01.005)
Reference: YGAST 60232

To appear in: *Gastroenterology*
Accepted Date: 5 January 2016

Please cite this article as: Fan Y, Lu H, Guo Y, Zhu T, Garcia-Barrio MT, Jiang Z, Willer CJ, Zhang J, Chen YE, Hepatic Transmembrane 6 Superfamily Member 2 Regulates Cholesterol Metabolism in Mice, *Gastroenterology* (2016), doi: 10.1053/j.gastro.2016.01.005.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Hepatic Transmembrane 6 Superfamily Member 2 Regulates Cholesterol Metabolism in Mice

Yanbo Fan¹, Haocheng Lu¹, Yanhong Guo¹, Tianqing Zhu¹, Minerva T. Garcia-Barrio², Zhisheng Jiang³, Cristen J. Willer^{1,4,5}, Jifeng Zhang¹, Y Eugene Chen¹

¹From the Cardiovascular Center, Department of Internal Medicine, University of Michigan Medical Center, Ann Arbor, MI, United States of America

²Cardiovascular Research Institute, Morehouse School of Medicine, Atlanta, Georgia, United States of America.

³Institute of Cardiovascular Disease, Key Laboratory for Arteriosclerosis of Hunan Province, University of South China, Hengyang 421001, China

⁴Department of Human Genetics, University of Michigan, Ann Arbor, MI, United States of America

⁵Department of Computational Medicine and Bioinformatics, University of Michigan, Ann Arbor, MI, United States of America

Short title: Role of TM6SF2 in cholesterol metabolism

Grant support: This work was supported, in whole or in part, by National Institutes of Health Grants HL068878, HL105114, and HL088391 (to Y.E.C.); The National Natural Science Foundation of China (81428004); American Heart Association grants 14SDG19880014 (Y.F.) and 15SDG24470155 (to Y.G.).

Abbreviations: TM6SF2, transmembrane 6 superfamily member 2; KO, knockout; TC, total cholesterol; TG, triglyceride; HFD, high fat diet; MI, myocardial infarction; Alb, albumin.

Address correspondence to:

Y. Eugene Chen, MD, PhD
University of Michigan Medical Center
NCRC Bld 26, Rm 361S
2800 Plymouth Rd
Ann Arbor, MI 48109
Phone: 734-647-5742
Fax: 734-763-7097
E-mail echenum@umich.edu

Conflicts of interest

The authors disclose no conflicts.

Author contributions: All authors have been involved in critical review of the manuscript; Fan Y, Lu H, Guo Y obtained, contributed and analyzed the data. Zhu T provided technical and material support. The manuscript was drafted by Fan Y, and then critically reviewed, including comments and feedback from Chen YE, Zhang J, Garcia-Barrio MT, Jiang Z, and Willer CJ. The study was conceived and designed by Chen YE, Fan Y, and Zhang J.

Download English Version:

<https://daneshyari.com/en/article/6092584>

Download Persian Version:

<https://daneshyari.com/article/6092584>

[Daneshyari.com](https://daneshyari.com)