## **Accepted Manuscript**

*Liqustri lucidi* Fructus inhibits hepatic injury and functions as an antioxidant by activation of AMP-activated protein kinase *in vivo* and *in vitro* 

Hye Lim Seo, Su Youn Baek, Eun Hye Lee, Ju-Hee Lee, Seul-Gi Lee, Kwang-Youn Kim, Mi Hee Jang, Min-Hui Park, Joung-Hee Kim, Keun-Jun Kim, Hyeong Sik Lee, Soon-Cheol Ahn, Jong Rok Lee, Sook Jahr Park, Sang Chan Kim, Young Woo Kim

PII: S0009-2797(16)30658-5

DOI: 10.1016/j.cbi.2016.11.031

Reference: CBI 7874

To appear in: Chemico-Biological Interactions

Received Date: 4 August 2016

Revised Date: 14 November 2016 Accepted Date: 30 November 2016

Please cite this article as: H.L. Seo, S.Y. Baek, E.H. Lee, J.-H. Lee, S.-G. Lee, K.-Y. Kim, M.H. Jang, M.-H. Park, J.-H. Kim, K.-J. Kim, H.S. Lee, S.-C. Ahn, J.R. Lee, S.J. Park, S.C. Kim, Y.W. Kim, *Liqustri lucidi* Fructus inhibits hepatic injury and functions as an antioxidant by activation of AMP-activated protein kinase *in vivo* and *in vitro*, *Chemico-Biological Interactions* (2017), doi: 10.1016/j.cbi.2016.11.031.

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.



## ACCEPTED MANUSCRIPT

Liqustri lucidi Fructus inhibits hepatic injury and functions as an antioxidant by activation of AMP-activated protein kinase in vivo and in vitro

Hye Lim Seo<sup>1,#</sup>, Su Youn Baek<sup>1,#</sup>, Eun Hye Lee<sup>1,2</sup>, Ju-Hee Lee<sup>1,3</sup>, Seul-Gi Lee<sup>1</sup>, Kwang-Youn Kim<sup>1,4</sup>, Mi Hee Jang<sup>1</sup>, Min-Hui Park<sup>1,2,5</sup>, Joung-Hee Kim<sup>5,6</sup>, Keun-Jun Kim<sup>5</sup>, Hyeong Sik Lee<sup>2</sup>, Soon-Cheol Ahn<sup>4</sup>, Jong Rok Lee<sup>7</sup>, Sook Jahr Park<sup>1</sup>, Sang Chan Kim<sup>1,\*</sup> and Young Woo Kim<sup>1,\*</sup>

Running title: Antioxidant effect of Liqustri lucidi Fructus

\*To whom correspondence should be addressed: Young Woo, Kim. Ph.D. E-mail: ywkim@dhu.ac.kr or Sang Chan, Kim. E-mail: sckim@dhu.ac.kr. Medical Research Center (MRC-GHF), College of Oriental Medicine, Daegu Haany University, Gyeongsan, Korea. Fax: 00-82-53-8191860.

<sup>&</sup>lt;sup>1</sup> Medical Research Center (MRC-GHF), College of Oriental Medicine, Daegu Haany University, Gyeongsan, Korea

<sup>&</sup>lt;sup>2</sup> Department of clinical laboratory science, Daegu Haany University, Gyeongsan, Korea

<sup>&</sup>lt;sup>3</sup> College of Oriental Medicine, Dongguk University, Gyeongju, Korea;

<sup>&</sup>lt;sup>4</sup> Department of microbiology and Immunology, Pusan National University School of Medicine, Yagnsan, Korea

<sup>&</sup>lt;sup>5</sup> Department of Biomedical Laboratory Science, Daekyeung College, Gyeongsan, Korea

<sup>&</sup>lt;sup>6</sup> Department of Bio Health Science, College of Natural Science, Changwon National University, Changwon, Korea

<sup>&</sup>lt;sup>7</sup> Department of Herbal Pharmaceutical Engineering, Daegu Haany University, Gyeongsan, Korea

<sup>#</sup> These author are equally contributed to this work.

## Download English Version:

## https://daneshyari.com/en/article/5559470

Download Persian Version:

https://daneshyari.com/article/5559470

<u>Daneshyari.com</u>