

# Accepted Manuscript

Application of quantitative targeted absolute proteomics to profile protein expression changes of hepatic transporters and metabolizing enzymes during cholic acid-promoted liver regeneration

Takayuki Miura, Masanori Tachikawa, Hideo Ohtsuka, Koji Fukase, Shun Nakayama, Naoaki Sakata, Fuyuhiko Motoi, Takeshi Naitoh, Yu Katayose, Yasuo Uchida, Sumio Ohtsuki, Tetsuya Terasaki, Michiaki Unno

PII: S0022-3549(17)30127-2

DOI: [10.1016/j.xphs.2017.02.018](https://doi.org/10.1016/j.xphs.2017.02.018)

Reference: XPHS 660

To appear in: *Journal of Pharmaceutical Sciences*

Received Date: 28 November 2016

Revised Date: 8 February 2017

Accepted Date: 13 February 2017

Please cite this article as: Miura T, Tachikawa M, Ohtsuka H, Fukase K, Nakayama S, Sakata N, Motoi F, Naitoh T, Katayose Y, Uchida Y, Ohtsuki S, Terasaki T, Unno M, Application of quantitative targeted absolute proteomics to profile protein expression changes of hepatic transporters and metabolizing enzymes during cholic acid-promoted liver regeneration, *Journal of Pharmaceutical Sciences* (2017), doi: 10.1016/j.xphs.2017.02.018.

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.



**Application of quantitative targeted absolute proteomics to profile protein expression changes of hepatic transporters and metabolizing enzymes during cholic acid-promoted liver regeneration**

Takayuki Miura<sup>1,2\*</sup>, Masanori Tachikawa<sup>2\*</sup>, Hideo Ohtsuka<sup>1</sup>, Koji Fukase<sup>1</sup>, Shun Nakayama<sup>1</sup>, Naoaki Sakata<sup>1</sup>, Fuyuhiko Motoi<sup>1</sup>, Takeshi Naitoh<sup>1</sup>, Yu Katayose<sup>1,3</sup>, Yasuo Uchida<sup>2</sup>, Sumio Ohtsuki<sup>4</sup>, Tetsuya Terasaki<sup>2</sup>, Michiaki Unno<sup>1</sup>

<sup>1</sup>Division of Gastroenterological Surgery, Department of Surgery, Graduate School of Medicine, Tohoku University, 1-1 Seiryomachi, Aoba-ku, Sendai 980-8574, Japan

<sup>2</sup>Division of Membrane Transport and Drug Targeting, Department of Biochemical Pharmacology and Therapeutics, Graduate School of Pharmaceutical Sciences, Tohoku University, 6-3 Aoba, Aramaki, Aoba-ku, Sendai 980-8578, Japan

<sup>3</sup>Division of Integrated Surgery and Oncology, Tohoku University Graduate School of Medicine, 1-1 Seiryomachi, Aoba-ku, Sendai 980-8574, Japan

<sup>4</sup>Laboratory of Pharmaceutical Microbiology, Graduate School of Pharmaceutical Sciences, Kumamoto University, 5-1 Oe-honmachi, Kumamoto 862-0973, Japan

\*Authors contributed equally to this work.

**Running title**

Profiles of transporters and enzymes in cholic acid-fed mouse liver

Download English Version:

<https://daneshyari.com/en/article/8513967>

Download Persian Version:

<https://daneshyari.com/article/8513967>

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