

## Accepted Manuscript

Daidzein down-regulates ubiquitin-specific protease 19 expression through estrogen receptor  $\beta$  and increases skeletal muscle mass in young female mice

Masahiro Ogawa, Takehiro Kitano, Natsuha Kawata, Takashi Sugihira, Tomoya Kitakaze, Naoki Harada, Ryoichi Yamaji

PII: S0955-2863(17)30284-X  
DOI: doi: [10.1016/j.jnutbio.2017.07.017](https://doi.org/10.1016/j.jnutbio.2017.07.017)  
Reference: JNB 7819

To appear in: *The Journal of Nutritional Biochemistry*

Received date: 28 March 2017  
Revised date: 3 July 2017  
Accepted date: 25 July 2017



Please cite this article as: Ogawa Masahiro, Kitano Takehiro, Kawata Natsuha, Sugihira Takashi, Kitakaze Tomoya, Harada Naoki, Yamaji Ryoichi, Daidzein down-regulates ubiquitin-specific protease 19 expression through estrogen receptor  $\beta$  and increases skeletal muscle mass in young female mice, *The Journal of Nutritional Biochemistry* (2017), doi: [10.1016/j.jnutbio.2017.07.017](https://doi.org/10.1016/j.jnutbio.2017.07.017)

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.

Title: Daidzein down-regulates ubiquitin-specific protease 19 expression through estrogen receptor  $\beta$  and increases skeletal muscle mass in young female mice<sup>☆,☆☆</sup>

Masahiro Ogawa<sup>1</sup>, Takehiro Kitano<sup>1</sup>, Natsuha Kawata, Takashi Sugihira, Tomoya Kitakaze, Naoki Harada, and Ryoichi Yamaji<sup>\*</sup>

*Division of Applied Life Sciences, Graduate School of Life and Environmental Sciences, Osaka Prefecture University, 1-1 Gakuen-cho, Naka-ku, Sakai, Osaka 5998531, Japan*

<sup>\*</sup>Corresponding author: *Division of Applied Life Sciences, Graduate School of Life and Environmental Sciences, Osaka Prefecture University, 1-1 Gakuen-cho, Naka-ku, Sakai, Osaka 5998531, Japan, TEL: +81-72-254-9453, E-mail: yamaji@biochem.osakafu-u.ac.jp*

<sup>1</sup>These authors contributed equally to this work.

<sup>☆</sup>Funding sources: This work was supported by a Grant-in-Aid [23580182] for scientific research (to Ryoichi Yamaji) from the Japan Society for the Promotion of Science and a grant from the Fuji Foundation for Protein Research.

<sup>☆☆</sup>Conflict of interest: none

Running title: Daidzein and USP19 expression in skeletal muscle

Download English Version:

<https://daneshyari.com/en/article/8336466>

Download Persian Version:

<https://daneshyari.com/article/8336466>

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