

Accepted Manuscript

Possible roles of the transcription factor Nrf1 (NFE2L1) in neural homeostasis by regulating the gene expression of deubiquitinating enzymes

Hiroaki Taniguchi, Shota Okamuro, Misaki Kohji, Tsuyoshi Waku, Kaori Kubo, Atsushi Hatanaka, Yimeng Sun, A.M. Masudul Azad Chowdhury, Akiyoshi Fukamizu, Akira Kobayashi

PII: S0006-291X(17)30047-5

DOI: [10.1016/j.bbrc.2017.01.038](https://doi.org/10.1016/j.bbrc.2017.01.038)

Reference: YBBRC 37100

To appear in: *Biochemical and Biophysical Research Communications*

Received Date: 30 December 2016

Accepted Date: 9 January 2017

Please cite this article as: H. Taniguchi, S. Okamuro, M. Kohji, T. Waku, K. Kubo, A. Hatanaka, Y. Sun, A.M.M.A. Chowdhury, A. Fukamizu, A. Kobayashi, Possible roles of the transcription factor Nrf1 (NFE2L1) in neural homeostasis by regulating the gene expression of deubiquitinating enzymes, *Biochemical and Biophysical Research Communications* (2017), doi: 10.1016/j.bbrc.2017.01.038.

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.



1

2 **Possible roles of the transcription factor Nrf1 (NFE2L1) in neural homeostasis by**
3 **regulating the gene expression of deubiquitinating enzymes**

4

5

6 Hiroaki Taniguchi^{1†}, Shota Okamuro^{1†}, Misaki Kohji^{1†}, Tsuyoshi Waku¹, Kaori Kubo¹,
7 Atsushi Hatanaka¹, Yimeng Sun¹, A M Masudul Azad Chowdhury¹, Akiyoshi Fukamizu²,
8 Akira Kobayashi^{1*}

9

10 ¹Laboratory for Genetic Code, Graduate School of Life and Medical Sciences, Doshisha
11 University, Kyotanabe, Kyoto, Japan, ²Center for Tsukuba Advanced Research Alliance,
12 University of Tsukuba, Tsukuba, Ibaraki, Japan

13

14 † These authors equally contributed to this work.

15

16

17 Address correspondence to:

18 Akira Kobayashi

19 Laboratory for Genetic Code, Graduate School of Life and Medical Sciences,

20 Doshisha University, 1-3 Tatara Miyakodani, Kyotanabe 610-0394, Japan

21 Phone: +81-774-65-6273, Fax +81-774-65-6274

22 E-mail: akobayas@mail.doshisha.ac.jp

23

24 Abbreviations: ARE, antioxidant response element; CNC, Cap'n'Collar; DUB,
25 deubiquitinating enzyme; Nrf1, NF-E2-related factor 1; NFE2L1, NF-E2-like 1; qRT-PCR,
26 quantitative real time- PCR; SEM, standard error of the mean; TSS, transcription start
27 site; Usp, ubiquitin-specific protease.

Download English Version:

<https://daneshyari.com/en/article/5506386>

Download Persian Version:

<https://daneshyari.com/article/5506386>

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