

Supporting Information

Ginnalin A Binds to the Sub-Pockets of Keap1 Kelch Domain to Activate the Nrf2-Regulated Antioxidant Defense System in SH-SY5Y Cells

Zhuang Zhang, Lanlan Peng, Yaru Fu*, Wenjuan Wang, Pengcheng Wang, Feimeng Zhou*

Institute of Surface Analysis and Chemical Biology, University of Jinan, Jinan,
Shandong 250022, P. R. China

***Corresponding Authors**

*Y.R. Fu: mse_fuyr@ujn.edu.cn

*F.M. Zhou: ila_zhoufm@ujn.edu.cn

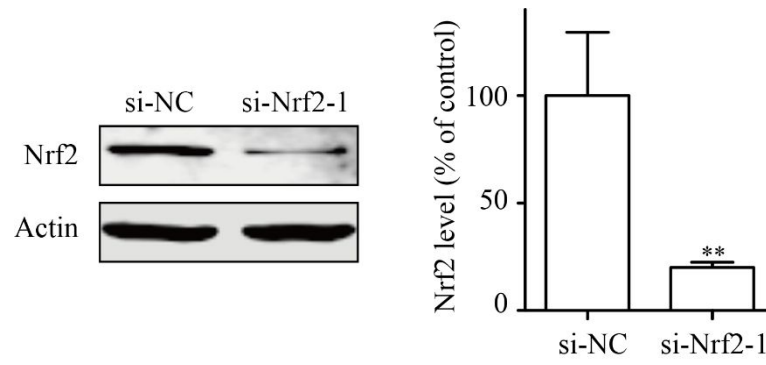


Figure S1. Left: Representative western blots of Nrf2, with actin as the loading control, in SH-SY5Y cells (si-NC) and in those transfected with si-Nrf2-1. Right: the Nrf2 protein level in the si-Nrf2-1 cells relative to that in the si-NC cells.

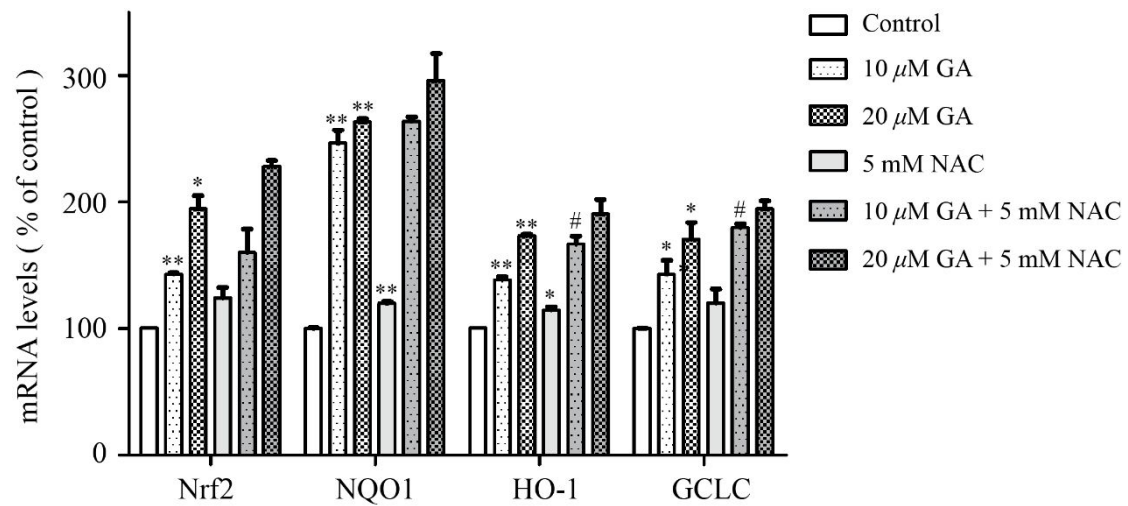


Figure S2. Normalized Nrf2, NQO1, HO-1, and GCLC mRNA levels in SH-SY5Y cells pretreated with 10 and 20 μ M GA with respect to the control group. Data from co-treatments of cells with 5 mM NAC are also shown. Results are presented as mean \pm SD from three replicates (* $p < 0.05$ and ** $p < 0.01$ vs. the control group and # $p < 0.05$ vs. the 10- μ M GA group).