

Potential Protection Effect of ER Homeostasis of N⁶-(2-hydroxyethyl)adenosine Isolated from *Cordyceps cicadae* in Nonsteroidal Anti-Inflammatory Drug-Stimulated Human Proximal Tubular Cells

Charng-Cherng Chyau ^{1,*}, Huei-Lin Wu ¹, Chiung-Chi Peng ², Shiau-Huei Huang ¹, Chin-Chu Chen ³, Cheng-Hsu Chen ⁴ and Robert Y. Peng ^{1,*}

¹ Research Institute of Biotechnology, Hungkuang University, Taichung 43302, Taiwan; exsior@sunrise.hk.edu.tw (H.-L.W.); g107c105@ms.hk.edu.tw (S.-H.H.); ypeng@sunrise.hk.edu.tw (R.Y.P.)

² Graduate Institute of Clinical Medicine, College of Medicine, Taipei Medical University, Taipei 11031, Taiwan; misspeng@tmu.edu.tw

³ Grape King Biotechnology Center, Chung-Li City 320054, Taiwan; gkbioeng@grapeking.com.tw

⁴ Department of Nephrology, Taichung Veterans General Hospital, Taichung 40705, Taiwan; cschen@vghtc.gov.tw

* Correspondence: ccchyau@hk.edu.tw (C.C.C.); ypeng@sunrise.hk.edu.tw (R.Y.P.); Tel.: +886-26318652; Fax: +886-4-26525386

Table S1. The sequence of primers used in this study.

Name	Sequence (5' to 3')
<i>IL-1β</i> -forward	ccaggacaggatatggagca
<i>IL-1β</i> - reverse	ttcaacacgcaggacaggtacag
<i>IRE1α</i> - forward	gatcctcagaaacgccctc
<i>IRE1α</i> - reverse	tctgtcgtcacgtcctg
<i>PERK</i> - forward	aggacagaggggacagagttg
<i>PERK</i> - reverse	taatgacctttcttccctgctcc
<i>ATF6</i> - forward	agtatttgtccgctgccg
<i>ATF6</i> - reverse	gcagaatccaatcttcatcca
<i>CHOP(GADD153)</i> - forward	cagagctggaacctgaggag
<i>CHOP(GADD153)</i> - reverse	tggatcagtctggaaaagca
<i>NFκB</i> -forward	aacagcagatggccatacc
<i>NFκB</i> - reverse	aaccttgctggtccacat

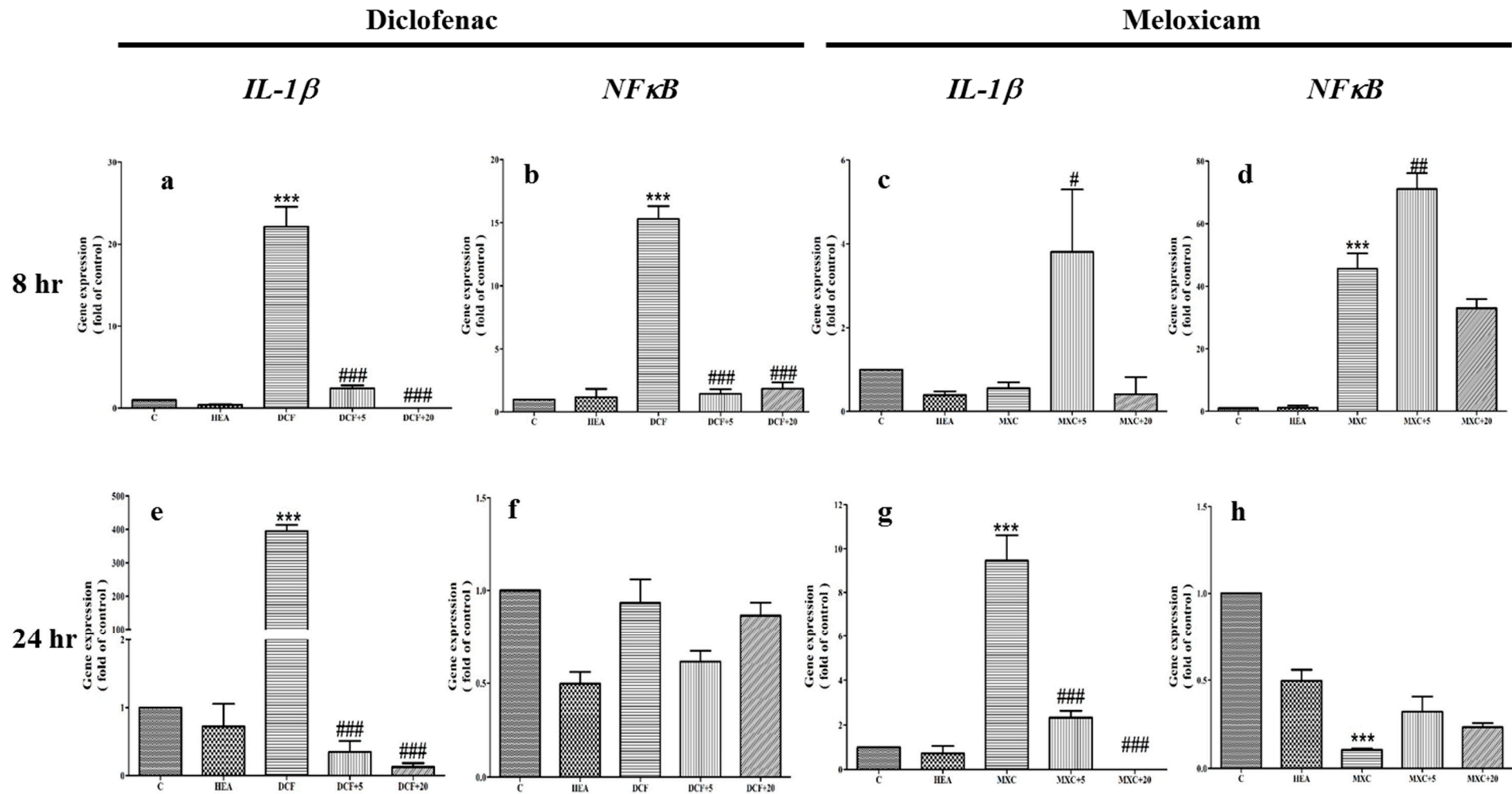


Figure S1. Effect of HEA on time-dependent genes expressions of IL-1 β and NF κ B in HK-2 cells induced by diclofenac and meloxicam. C: Control. HEA: HEA 20 μ M. DCF: diclofenac 200 μ M, DCF+5: DCF+HEA 5 μ M. DCF+20: DCF+HEA 20 μ M. MXC: Meloxicam 400 μ M. MXC+5: MXC +HEA 5 μ M. MXC+20: MXC+HEA 20 μ M. Values are expressed as the mean \pm SD. ** P < 0.01 and *** < 0.001 vs. control group. ### p < 0.001 vs. HEA group.