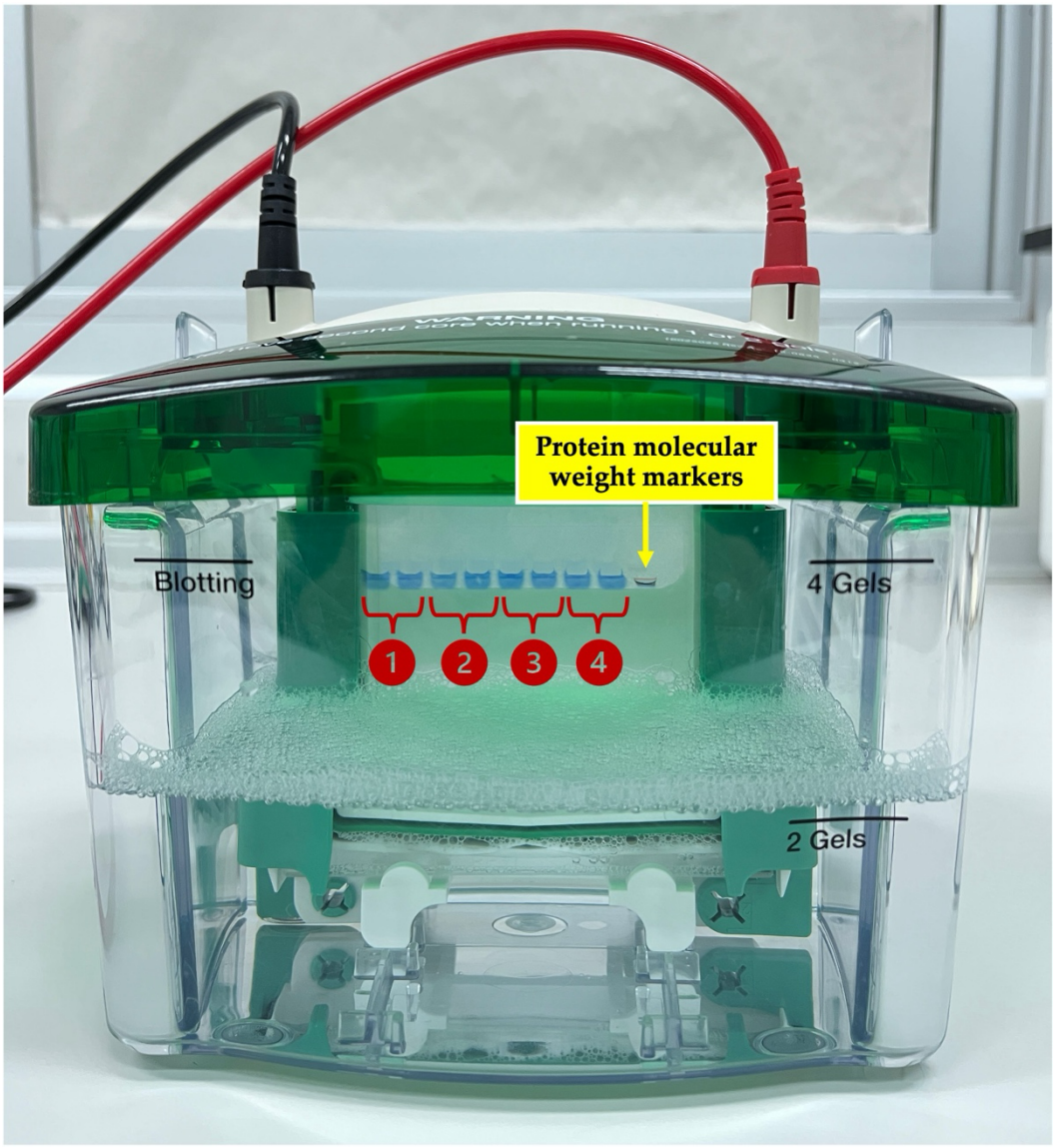


Figure S1: Representative Western blot analysis showing protein loading through the stacking gel and separation in the resolving gel. Each experiment was performed in duplicate. Experimental groups included: (1) naïve control, (2) H_2O_2 + vehicle, (3) H_2O_2 + C3GE (20 μg/mL), and (4) H_2O_2 + C3GE (40 μg/mL).

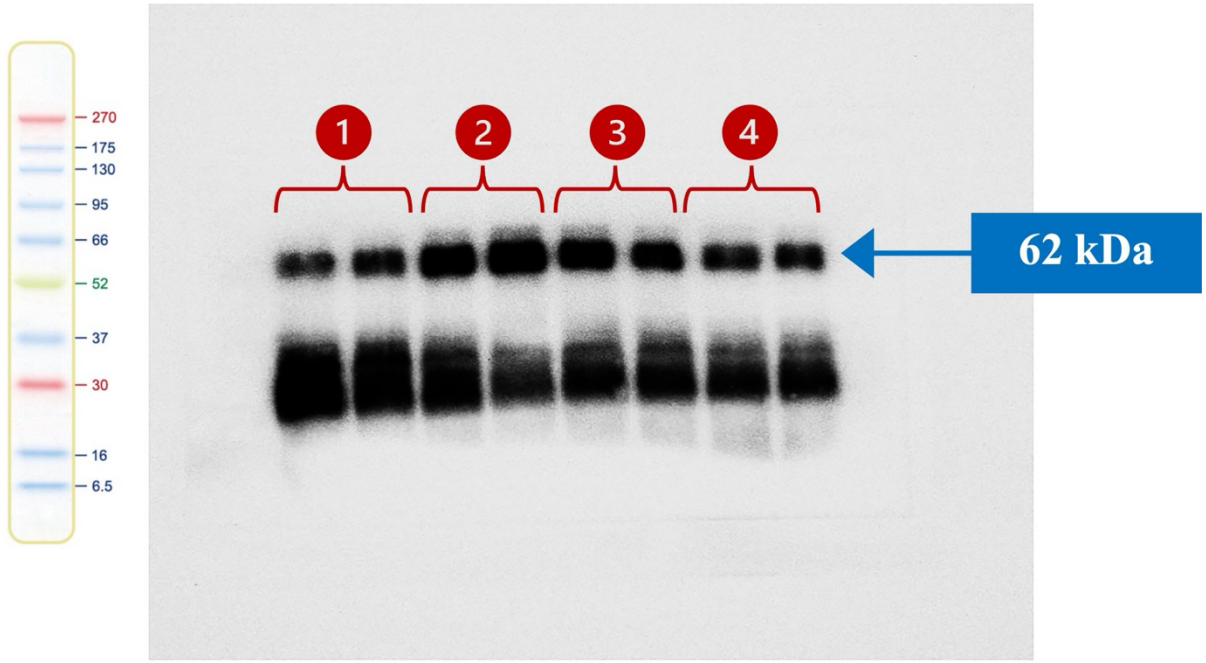


Figure S2: Full-length, uncropped Western blot membranes showing HDAC1 expression in SH-SY5Y cells subjected to hydrogen peroxide-induced oxidative stress and treated with C3GE. The experimental conditions were as follows: (1) untreated control, (2) H_2O_2 + vehicle, (3) H_2O_2 + C3GE (20 μg/mL), and (4) H_2O_2 + C3GE (40 μg/mL). The blots represent original, unprocessed data obtained from the experiment.

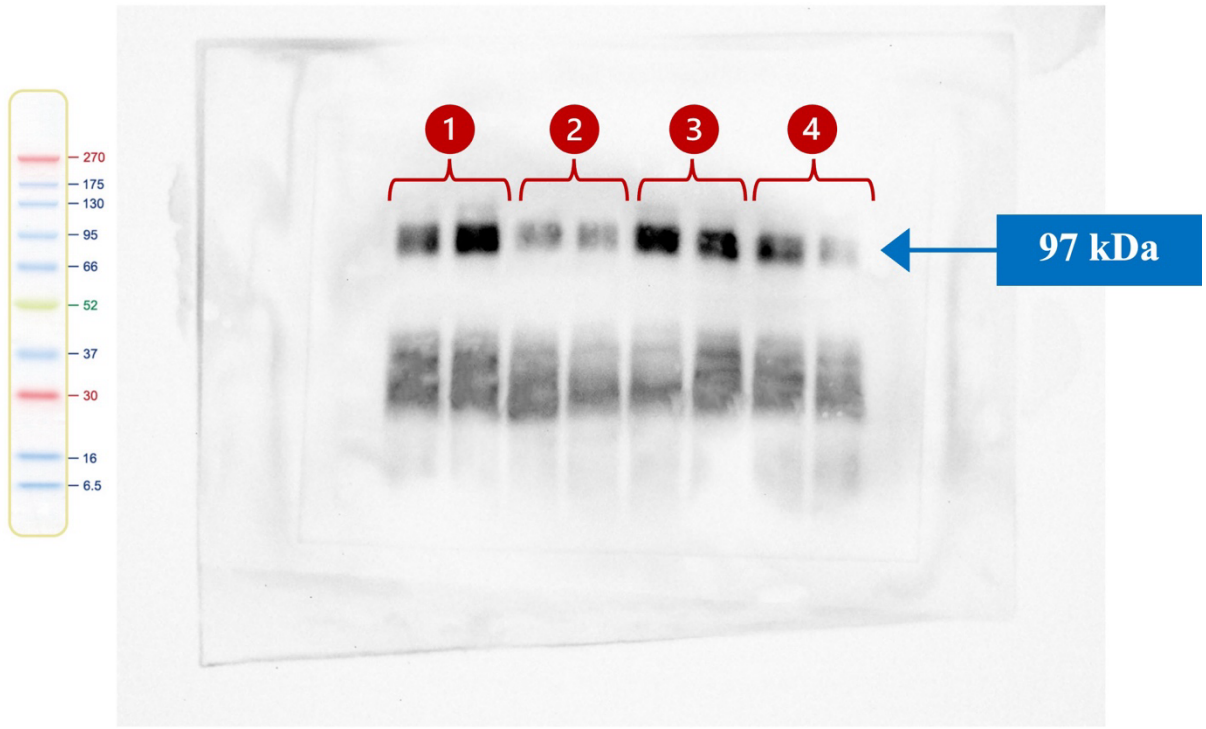


Figure S3: Full-length, uncropped Western blot membranes showing Nrf2 expression in SH-SY5Y cells subjected to hydrogen peroxide-induced oxidative stress and treated with C3GE. The experimental conditions were as follows: (1) untreated control, (2) H_2O_2 + vehicle, (3) H_2O_2 + C3GE (20 μg/mL), and (4) H_2O_2 + C3GE (40 μg/mL). The blots represent original, unprocessed data obtained from the experiment.

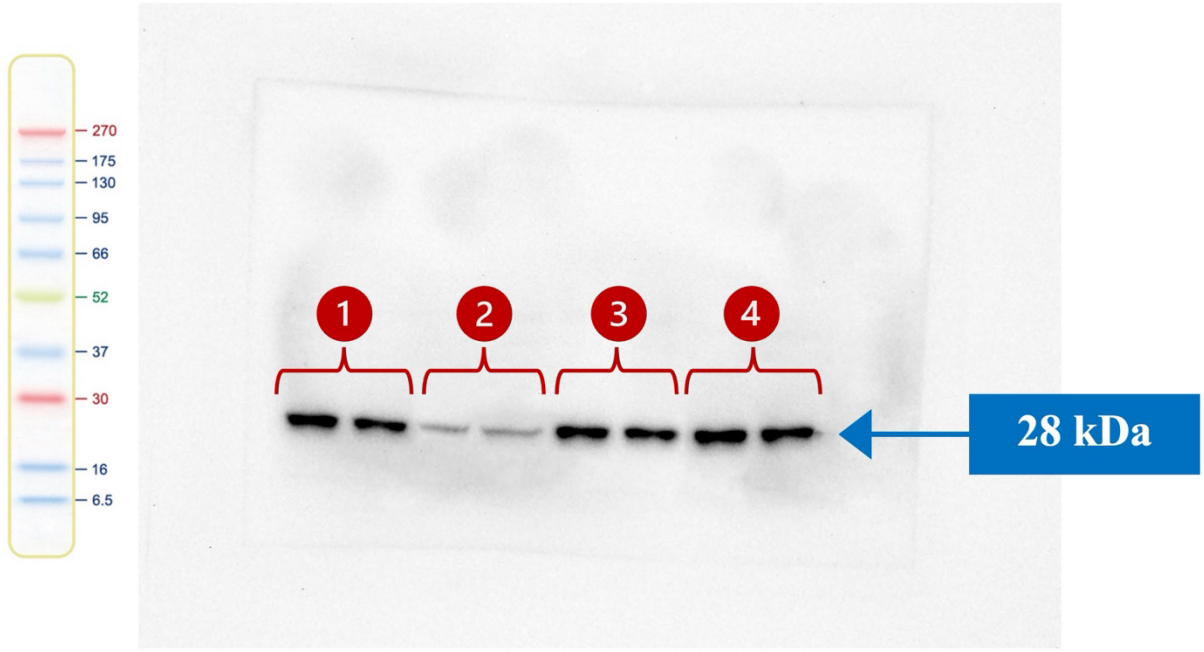


Figure S4: Full-length, uncropped Western blot membranes showing HO-1 expression in SH-SY5Y cells subjected to hydrogen peroxide-induced oxidative stress and treated with C3GE. The experimental conditions were as follows: (1) untreated control, (2) H_2O_2 + vehicle, (3) H_2O_2 + C3GE (20 μg/mL), and (4) H_2O_2 + C3GE (40 μg/mL). The blots represent original, unprocessed data obtained from the experiment.

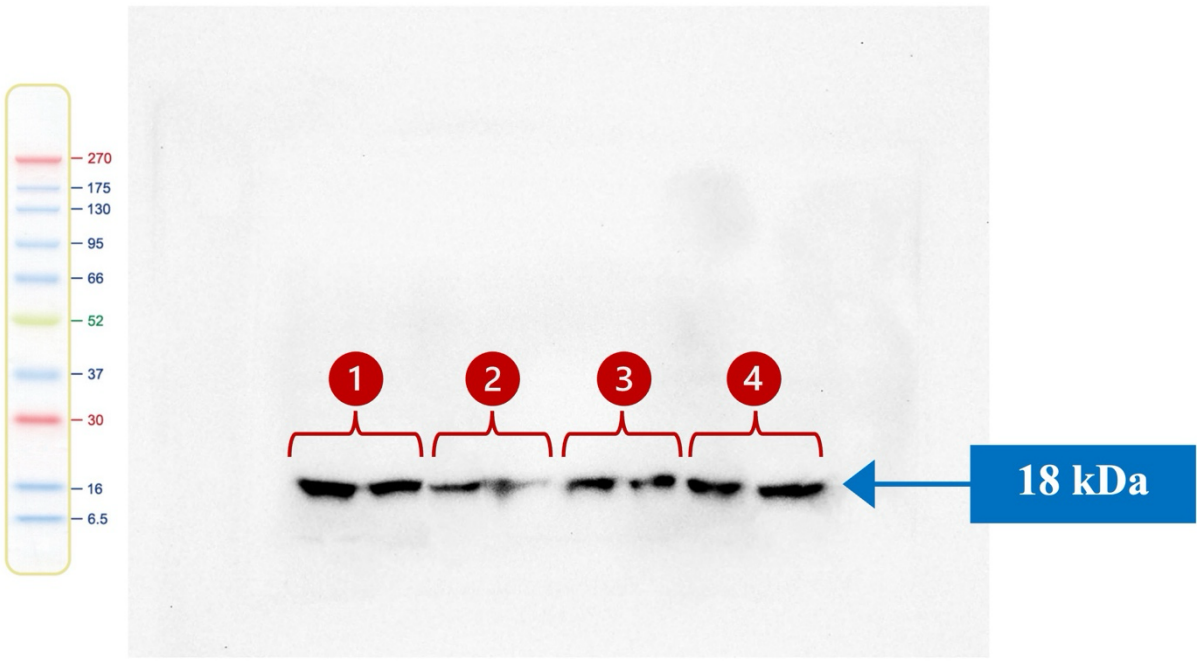


Figure S5: Full-length, uncropped Western blot membranes showing SOD1 expression in SH-SY5Y cells subjected to hydrogen peroxide-induced oxidative stress and treated with C3GE. The experimental conditions were as follows: (1) untreated control, (2) H_2O_2 + vehicle, (3) H_2O_2 + C3GE (20 μg/mL), and (4) H_2O_2 + C3GE (40 μg/mL). The blots represent original, unprocessed data obtained from the experiment.

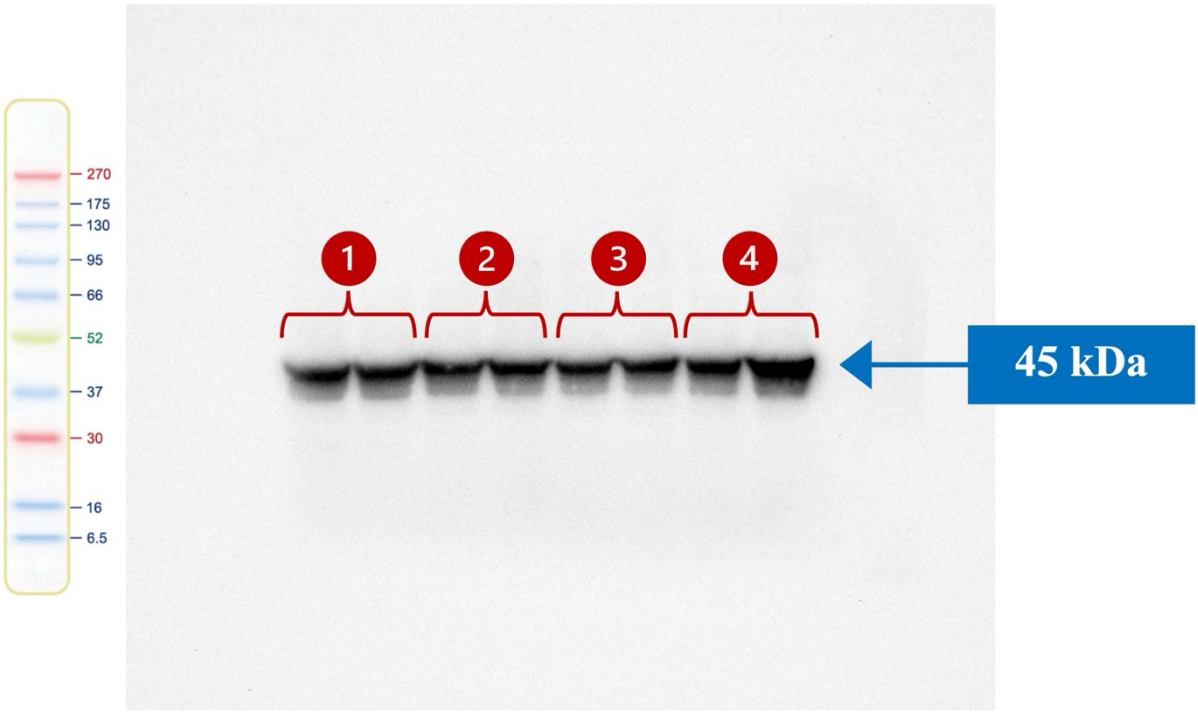


Figure S6: Uncropped Western blot image of β-actin expression in SH-SY5Y cells used as a loading control for normalization. The same experimental groups were applied: (1) untreated control, (2) H_2O_2 + vehicle, (3) H_2O_2 + C3GE (20 μg/mL), and (4) H_2O_2 + C3GE (40 μg/mL). The blots represent original, unprocessed data obtained from the experiment.