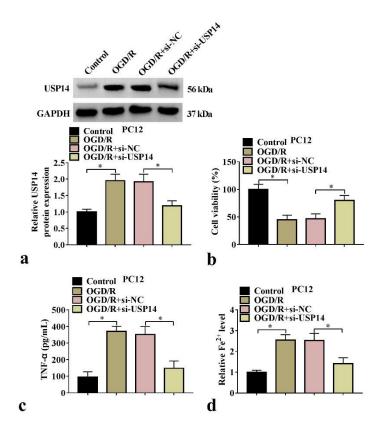
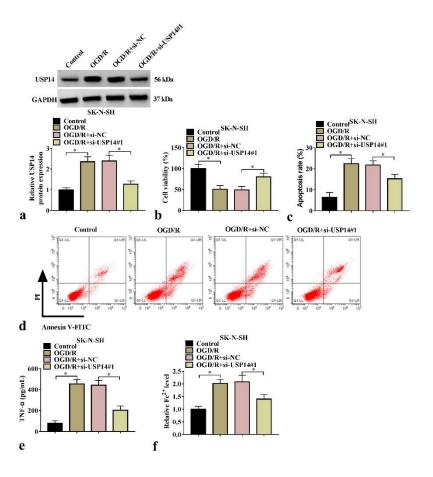
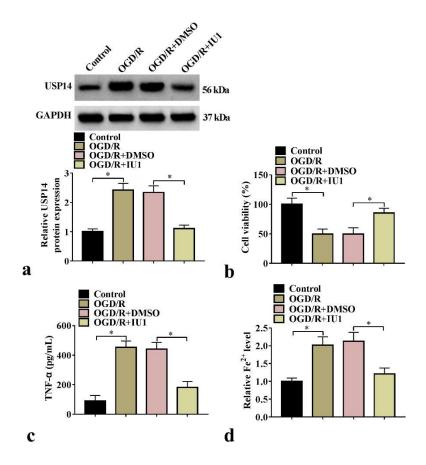
Supplementary Figures



Supplementary Figure 1: Effect of si-USP14 on PC12 cell injury. (a) WB analysis for USP14 protein expression (n=3). (b) Cell viability was examined by CCK8 (n=3). (c) ELISA was used in testing TNF- α level (n=3). (d) Fe²⁺ level was measured (n=3). USP14, ubiquitin-specific peptidase 14. *P<0.05. USP14: Ubiquitin-specific peptidase 14, CCK8: Cell counting kit 8, ELISA: Enzyme-linked immunosorbent assay, WB: Western blot, TNF- α : Tumor necrosis factor-alpha.



Supplementary Figure 2: Effect of si-USP14#1 on SK-N-SH cell injury. (a) USP14 protein expression was tested with WB (n=3). (b) Cell viability was detected using CCK8 (n=3). (c and d) Flow cytometry for measuring cell apoptosis rate (n=3). (e) TNF- α level was detected by ELISA (n=3). (f) Fe²⁺ level was detected (n=3). USP14, ubiquitin-specific peptidase 14. *P<0.05. USP14: Ubiquitin-specific peptidase 14, CCK8: Cell counting kit 8, WB: Western blot, ELISA: Enzyme-linked immunosorbent assay, TNF- α : Tumor necrosis factor-alpha.



Supplementary Figure 3: Effect of IU1 on SK-N-SH cell injury. (a) USP14 protein expression was examined by WB (n=3). (b) Cell viability was assessed by CCK8 (n=3). (c) TNF- α level was detected using ELISA (n=3). (d) Fe²⁺ level was evaluated (n=3). *P<0.05. USP14: Ubiquitin-specific peptidase 14, WB: Western blot, TNF- α : Tumor necrosis factor-alpha, ELISA: Enzyme-linked immunosorbent assay.