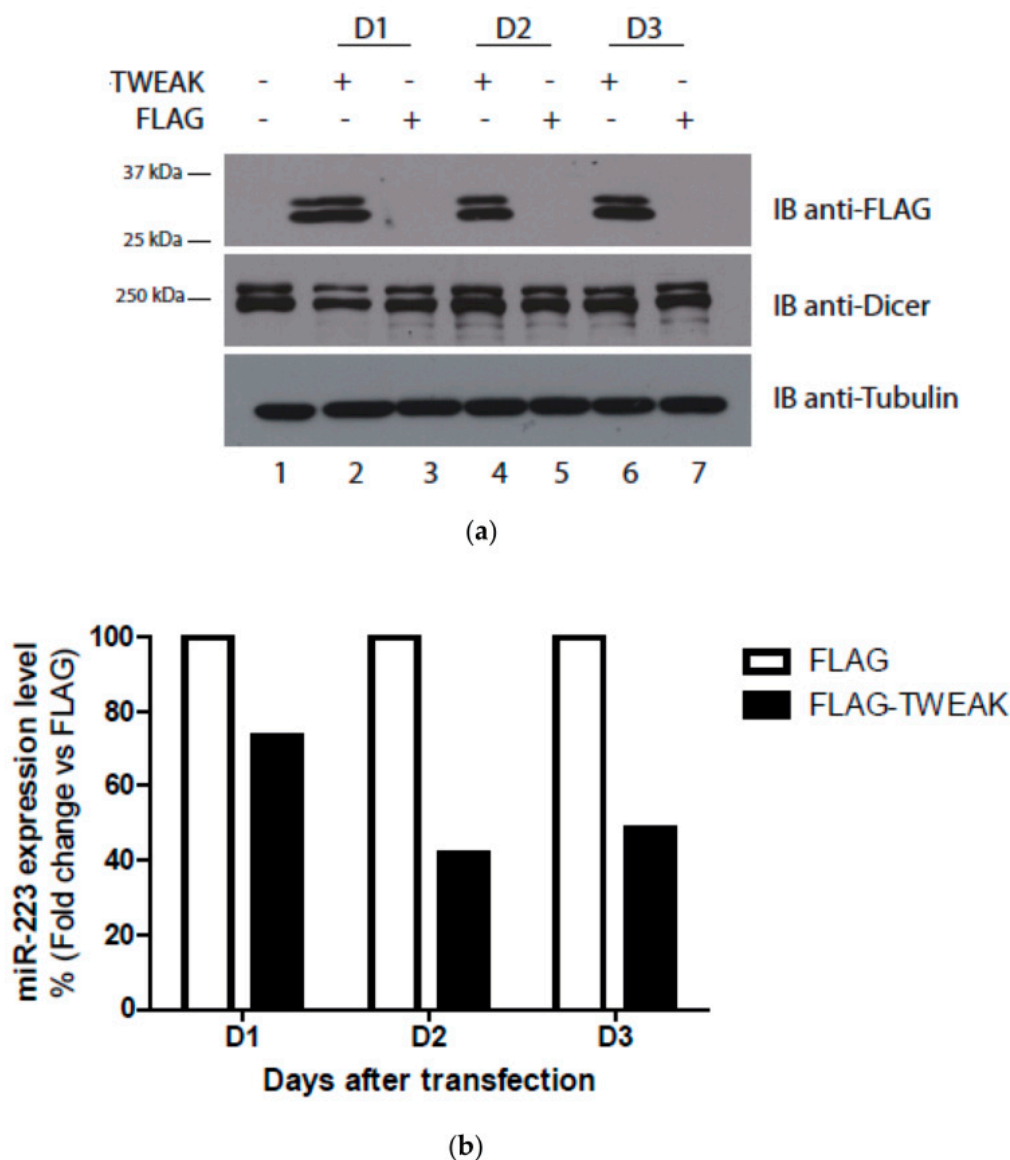


## Supplementary Materials: TWEAK Negatively Regulates Human Dicer

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**Figure S1.** TWEAK may reduce microRNA expression levels in human cells. **(a,b)** HEK 293 cells transiently transfected with Flag-TWEAK or an empty pcDNA3.1-Flag vector (Flag) and a vector expressing the precursor of the miR-223 were harvested 1 (D1), 2 (D2), or 3 (D3) days after transfection. Total RNA was extracted with TRIzol® (Qiagen, Toronto, ON, Canada), and the samples were analyzed by quantitative PCR (qPCR) to measure the level of mature miR-223. Results were normalized by the  $2^{-\Delta\Delta Ct}$  method using the RNU6 housekeeping control, and expressed as a percentage. The experiment was repeated with cells extracted in T8 buffer to harvest proteins. The protein extracts (50  $\mu$ g) were analyzed by 7% SDS-PAGE, transferred on a PVDF membrane and immunoblotted with anti-Dicer (Abcam, 1/5000), anti-TWEAK (Cell Signaling, Danvers, MA, USA, 1/5000), and anti-tubulin (DSHB, North Liberty, IA, USA, 1/10,000), used as a loading control. Bands were visualized by chemiluminescence.