

## SUPPLEMENTARY MATERIAL ONLINE

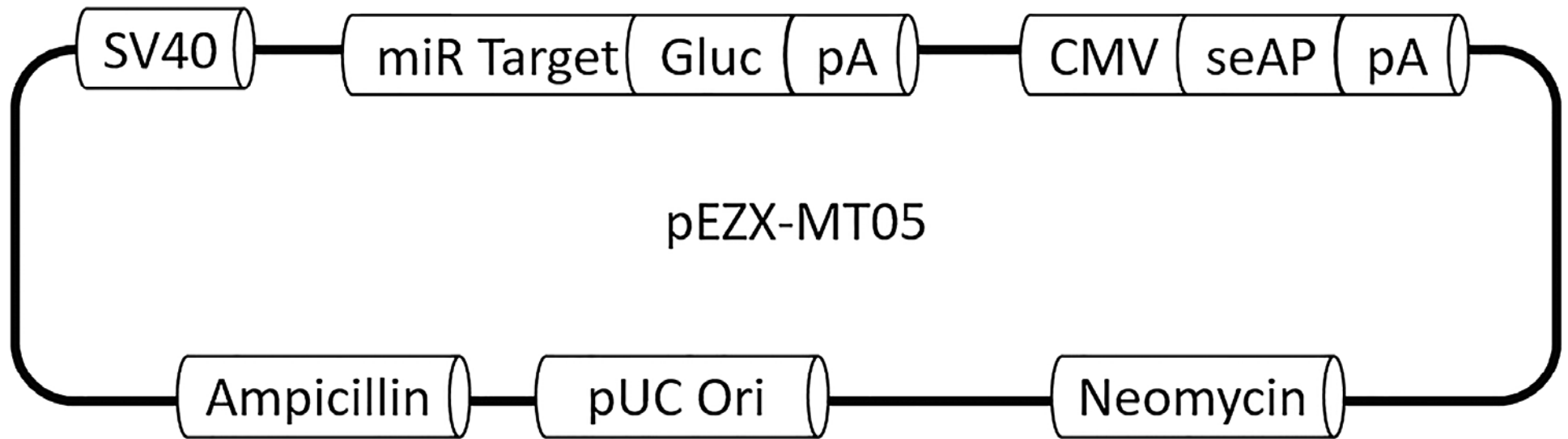
**Figure S1.** Luciferase plasmid construction with the seed sequence of the *IKBK* 3'-UTR. SV40 and CMV: promoters; pUC Ori: origin of bacterial replication for the cloning of the plasmid; ampicillin and neomycin: plasmid selection antibiotics; Gluc-miR target: luciferase reporter gene coupled to the target microRNA target sequence (Gaussia); seAP: alkaline phosphatase gene (endogenous control).

**Figure S2.** Expression of miR-23a in CF (n = 4) and non-CF (n = 4) bronchial tissues. The results are standardized by the expression of the endogenous control *RNU6B* for miRNA. The Mann–Whitney *U*-test was used to determine significance.

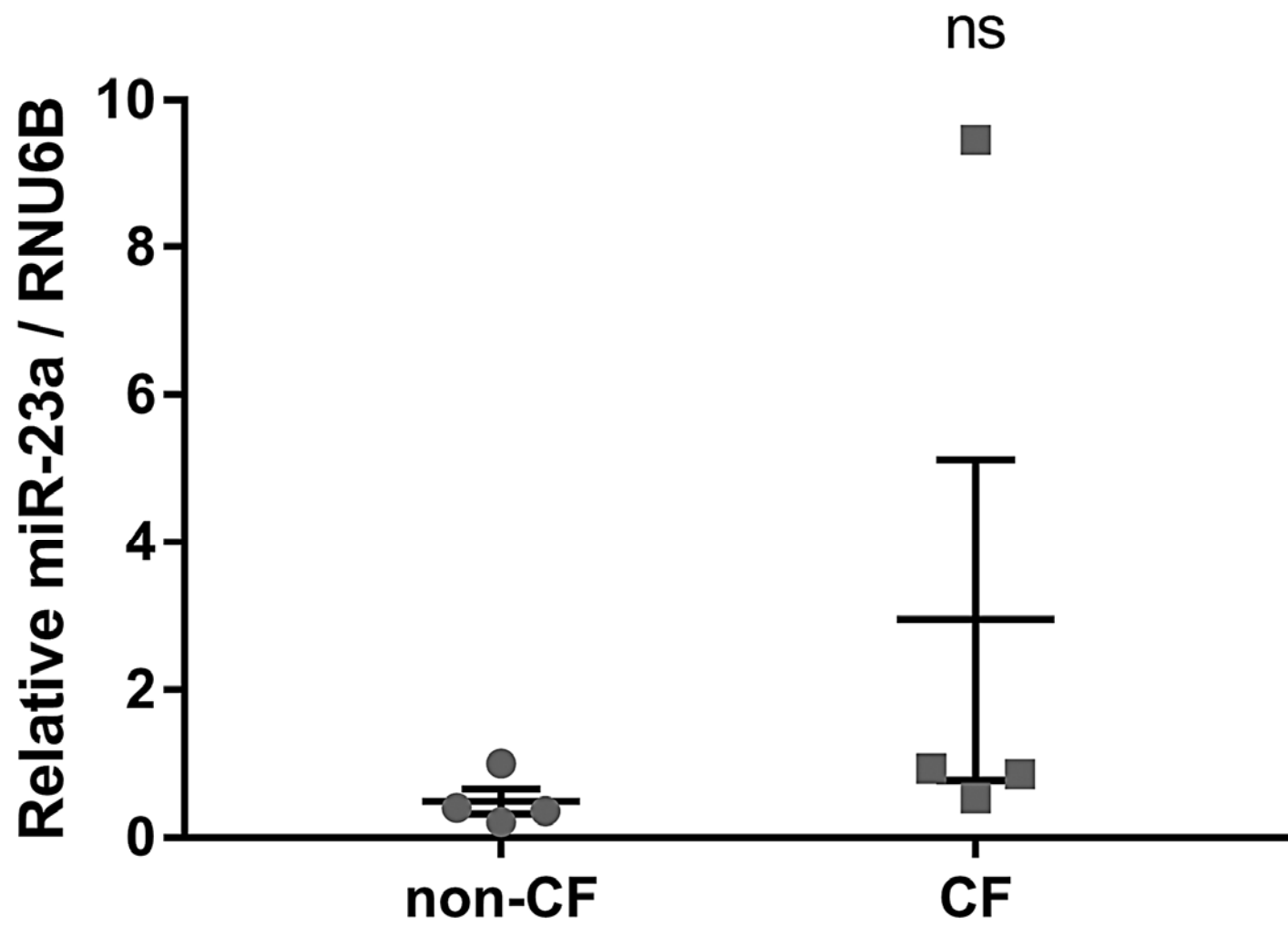
**Figure S3.** miR-199a-3p transfection concentration determination. Expression of miR-199a-3p after transfection of scramble mimic as the control or miR-199a-3p mimic at concentrations of 2.5, 10, 30, 50, or 100 nM in CFBE cells.

**Figure S4.** Determination of the time for transfection. Kinetics of chemiluminescent activity of Gaussia and SEAP proteins at 24, 48, and 72 h after transfection of the WT-*IKBK*-3'UTR plasmid in CFBE.

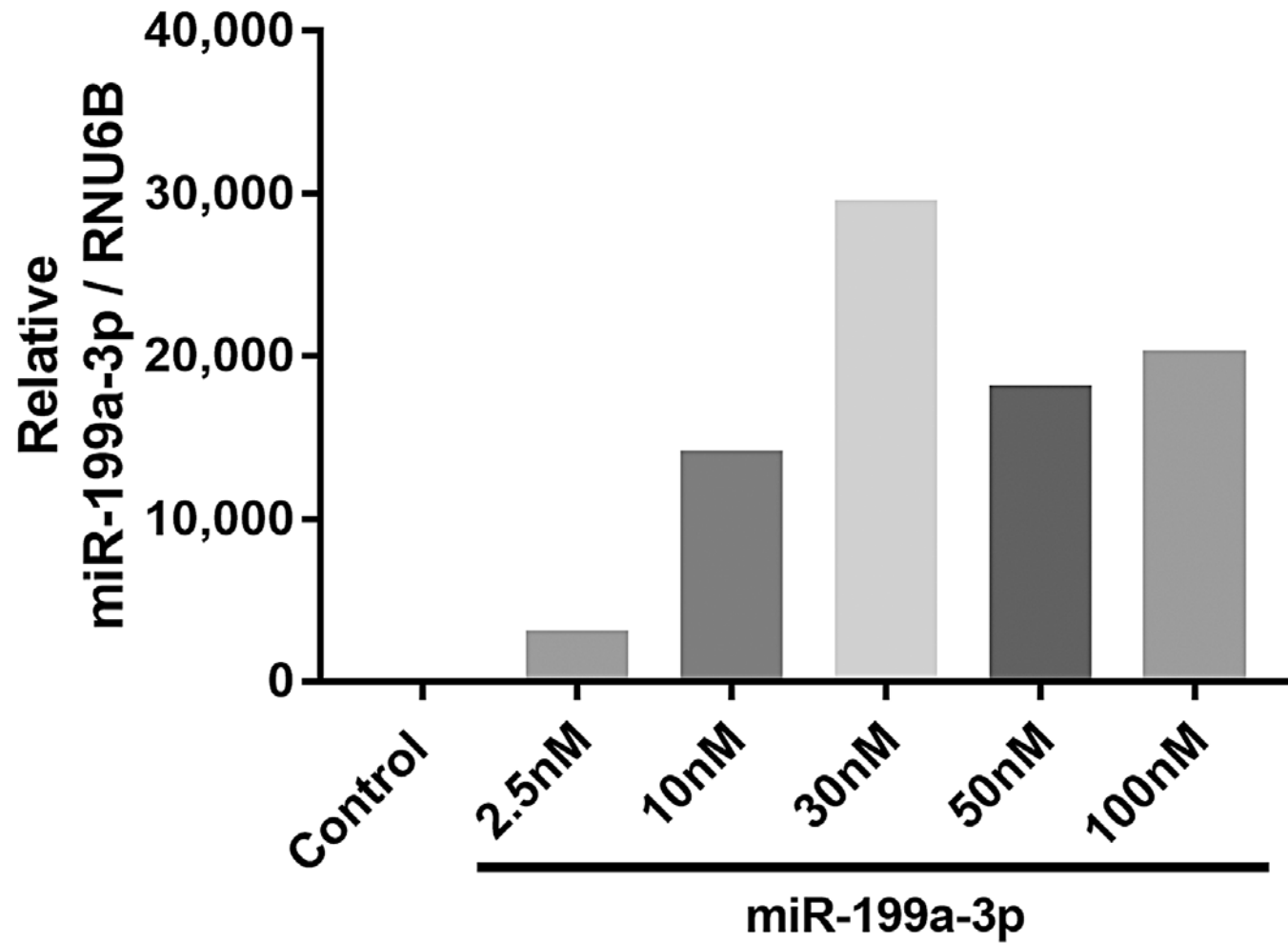
**Figure S5.** Expression of *MTOR* and *ZHX1* in CFBE after transfection with scramble mimic (control) or miR-199a-3p mimic (n = 6; p = 0.0304 and 0.021).



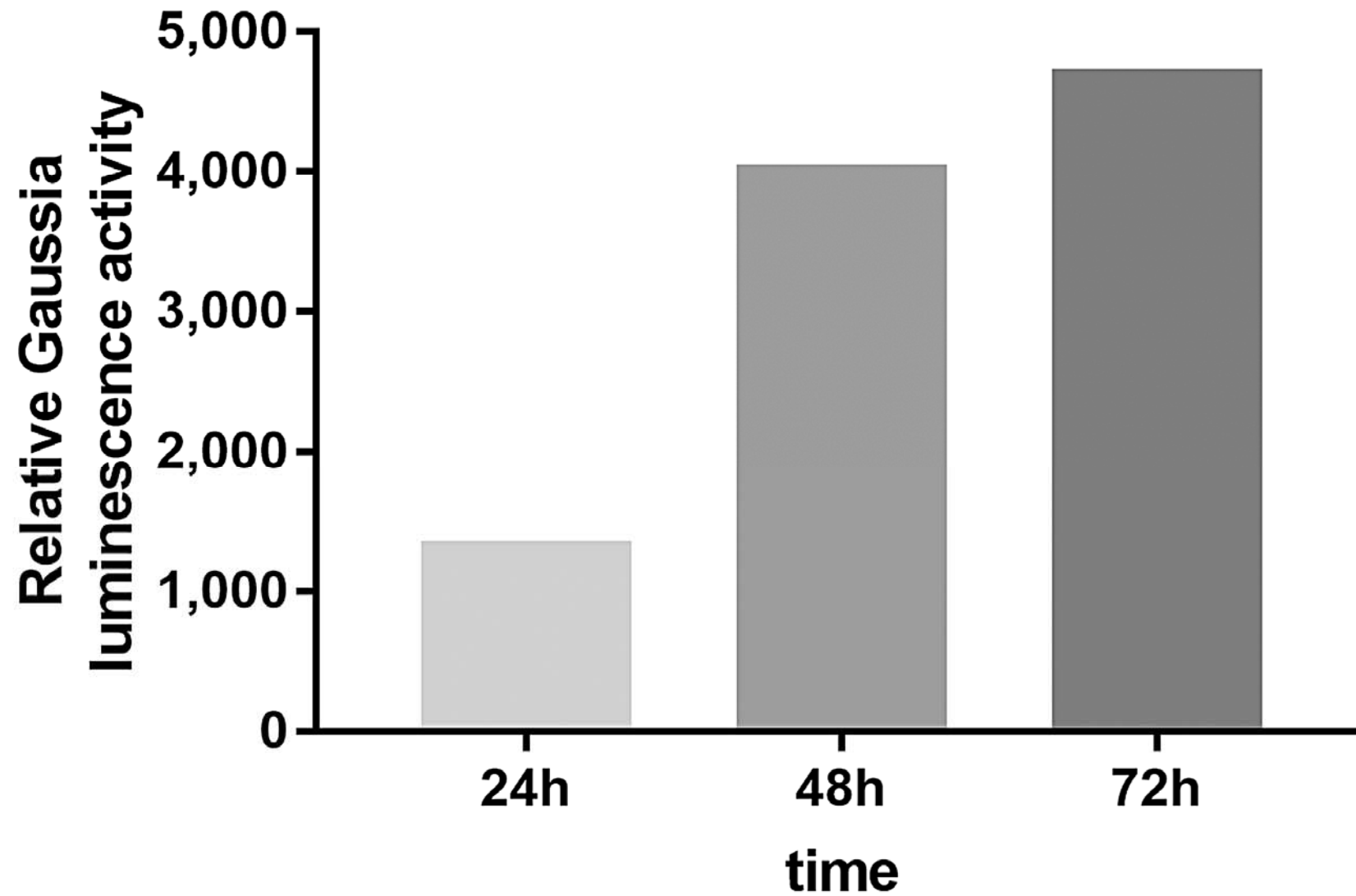
**Supplementary Figure S1**



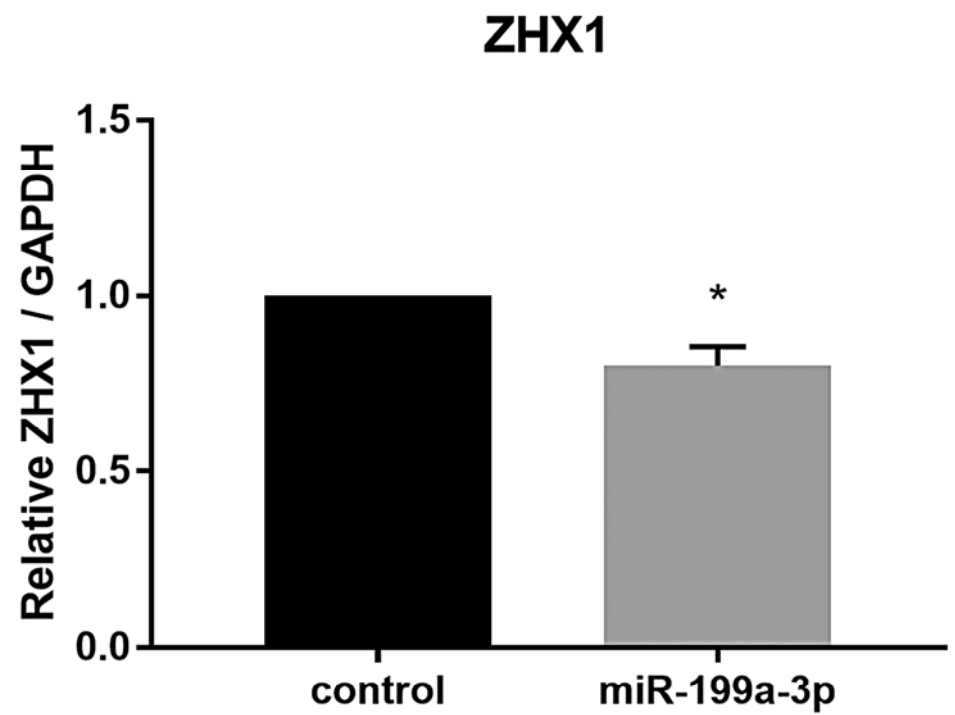
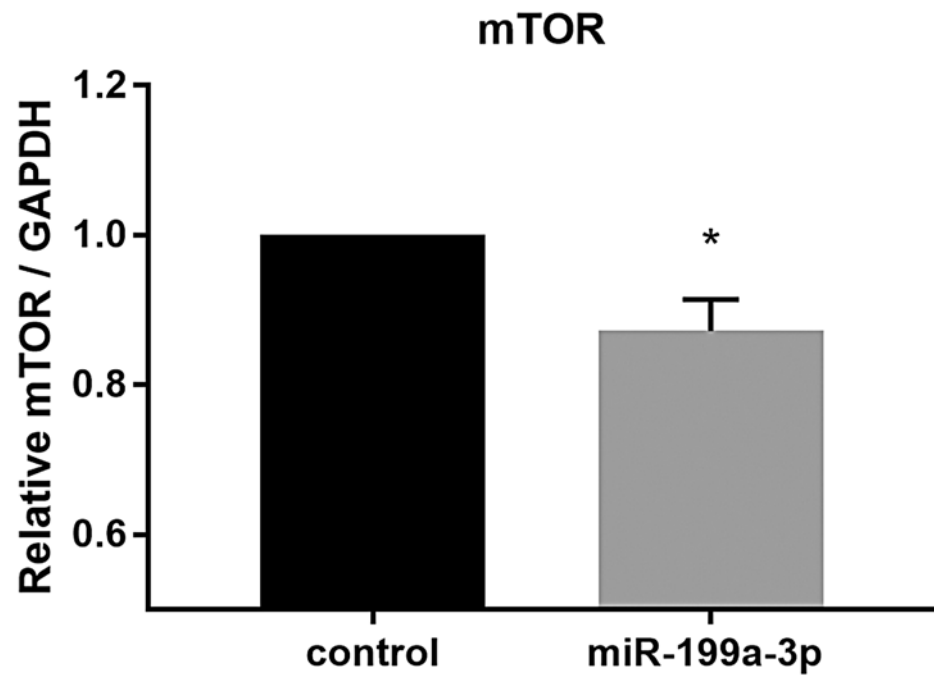
**Supplementary Figure S2**



**Supplementary Figure S3**



**Supplementary Figure S4**



**Supplementary Figure S5**