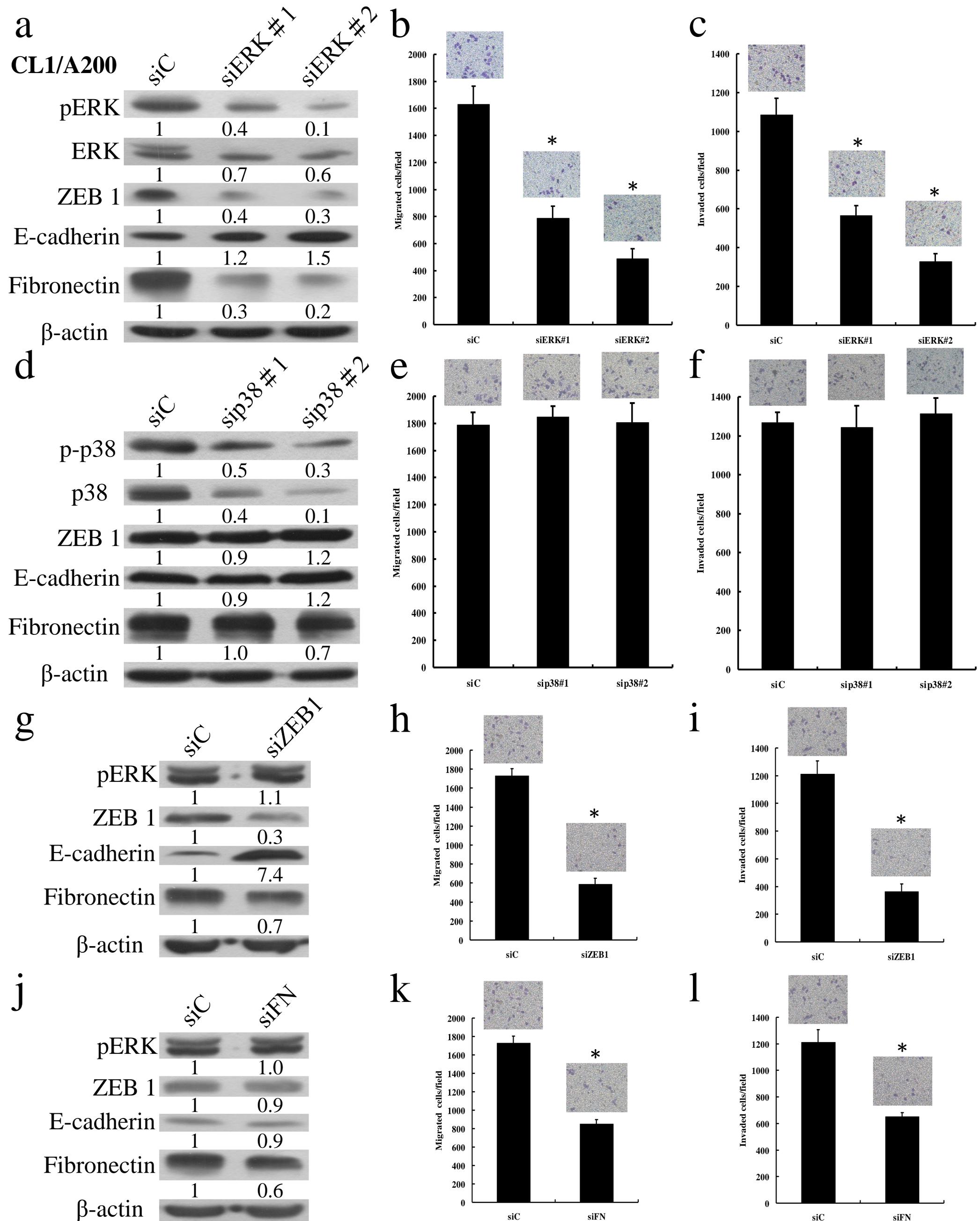


Supplementary Figure 2



Inhibition of ERK by siRNA technology to correlate the EMT suppression in pemetrexed-resistant CL1/A200 cells.

The cells of CL1/A200 (5×10^5 cells) were plated in 60-mm Petri-dishes followed by transfection with two different sequences of siRNA to inhibit ERK expression (siERK#1 and siERK#2). After 48 h incubation, the cells were harvested for pERK, ERK, ZEB1, E-cadherin and fibronectin protein detection (a) or seeded for transwell 24 h migration assay (b) and 48 h migration assay (c) using 2×10^4 cells. Similarly, the expression of p38 was inhibited by two individual siRNAs and examined (d-f). A mixture of ZEB1 siRNAs were transfected into CL1/A200 cells and the effects of inhibited ZEB1 were analyzed by Western blots (g), migration (h) and invasion (i) assays. Similarly, fibronectin siRNAs were transfected into cells and analyzed (j-l). * $p < 0.05$ was considered statistically significant.