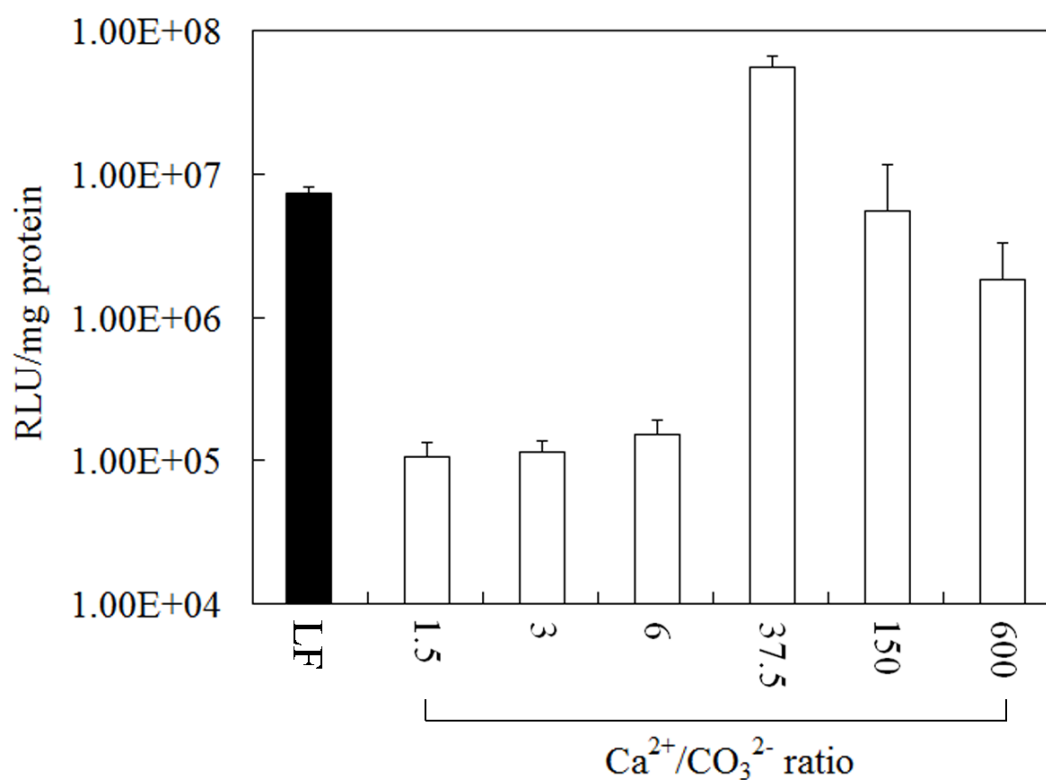


Supporting Information

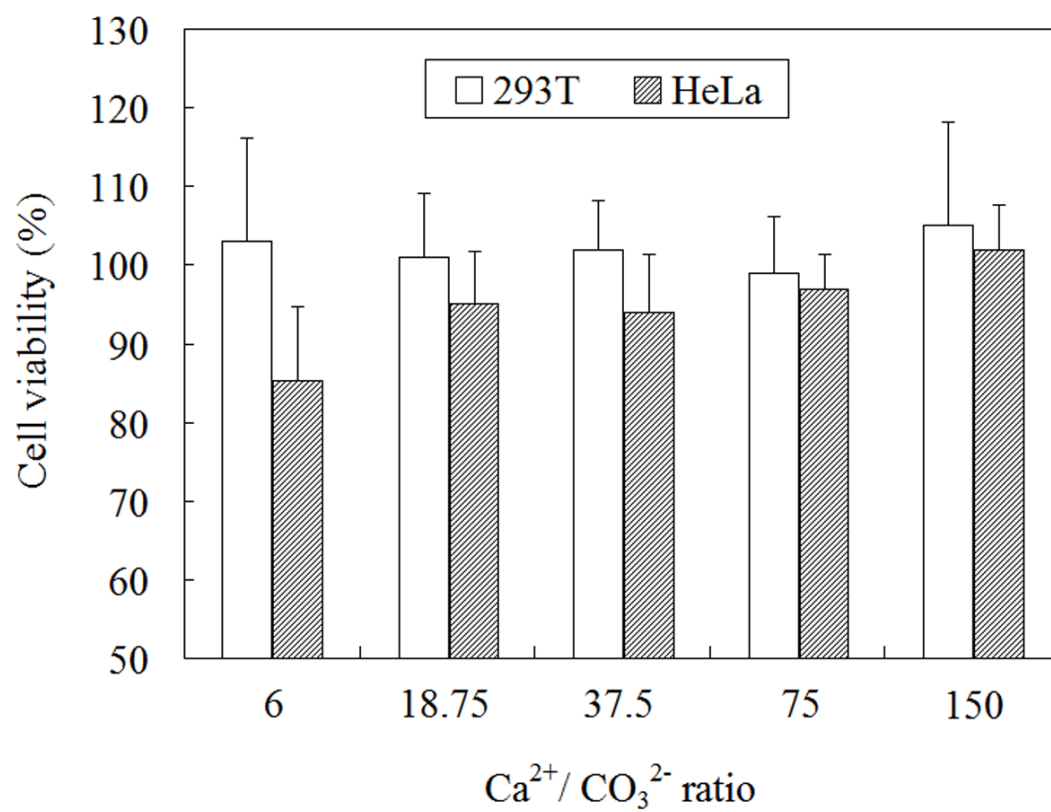
**Efficient non-viral gene delivery mediated by nanostructured calcium carbonate  
in solution-based transfection and solid-phase transfection**

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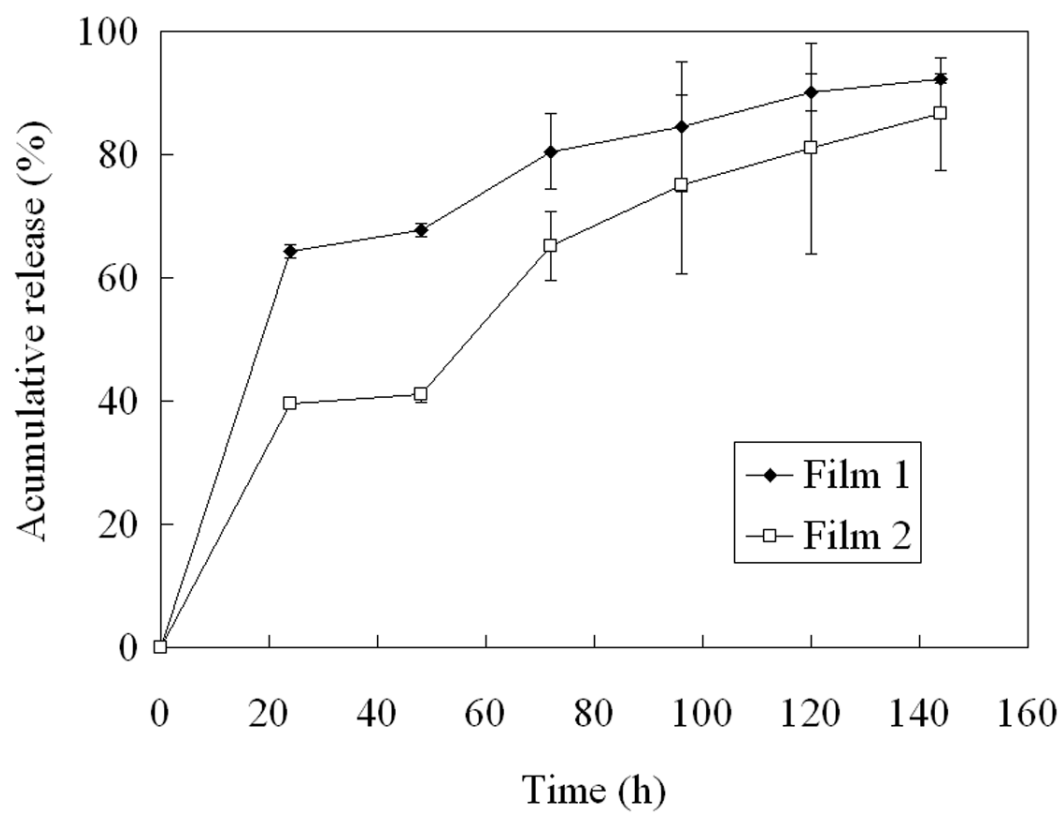
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**Fig. S1** Luciferase expression in HepG2 cells mediated by CaCO<sub>3</sub>/DNA co-precipitates with different Ca<sup>2+</sup>/CO<sub>3</sub><sup>2-</sup> ratios in solution-based transfection as compared with Lipofectamine 2000 (LF). (The comparison between the CaCO<sub>3</sub>/DNA co-precipitates at Ca<sup>2+</sup>/CO<sub>3</sub><sup>2-</sup> ratio of 37.5 and LF shows p<0.05.)



**Fig. S2** Cell viability after transfection mediated by CaCO<sub>3</sub>/DNA co-precipitates.



**Fig. S3** DNA release from CaCO<sub>3</sub>/DNA co-precipitates loaded films.