

Supporting Information

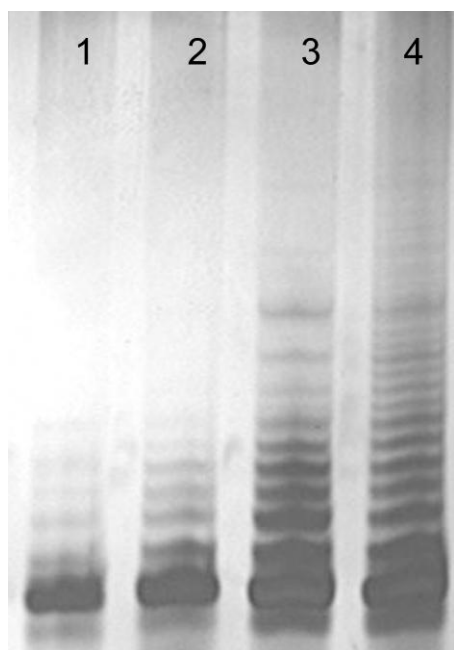


Figure S1 Conventional TRAP-silver staining assay. Line 1-4 represent telomerase samples extracted from 0, 1000, 3000, 6000 HeLa cells.

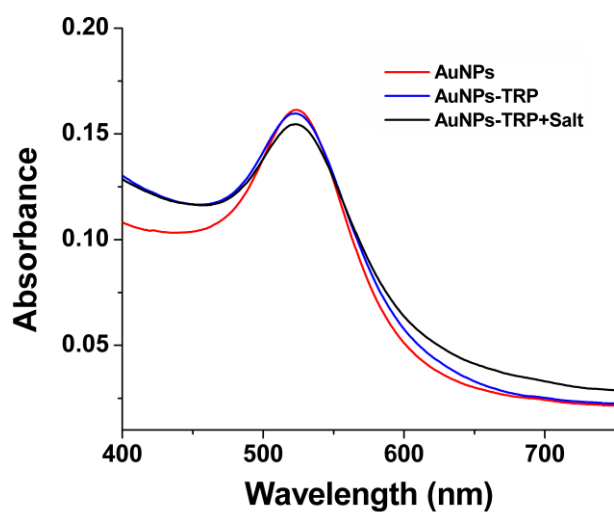


Figure S2 UV-Vis spectra of AuNPs alone (red line), AuNPs-TRP assembly (blue line), AuNPs-TRP assembly upon addition of salt (black line).

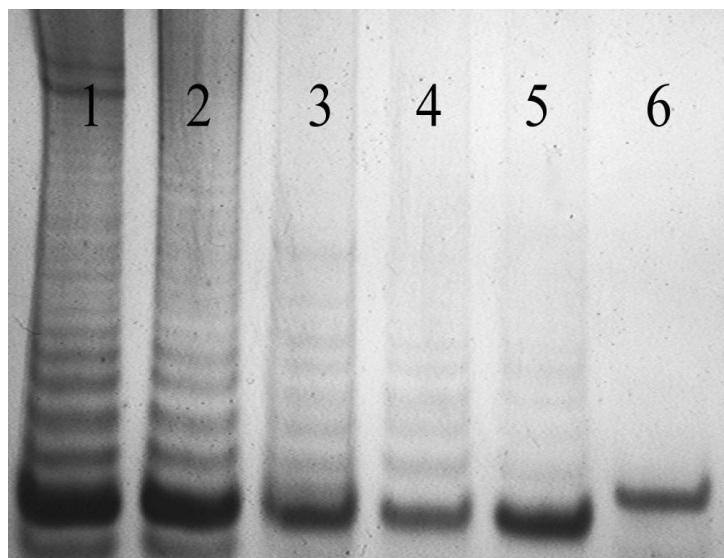


Figure S3 Inhibition of telomerase activity by curcumin in a classical TRAP assay. Increasing concentrations of curcumin (0-20 μM) were mixed with telomerase extracted from HeLa cells in a TRAP assay. Line 1-6 represents the reaction with curcumin 0, 1, 2, 5, 10, 20 μM .

Table S1 The IC_{50} of curcumin measured in TRAP assay and TC-AuNP colorimetric assay.

Method	IC_{50} (μM)
TRAP	2.5
TC-AuNP	2.8