

## Supplementary information

# Nanoparticles of unmodified titanium dioxide facilitate protein refolding

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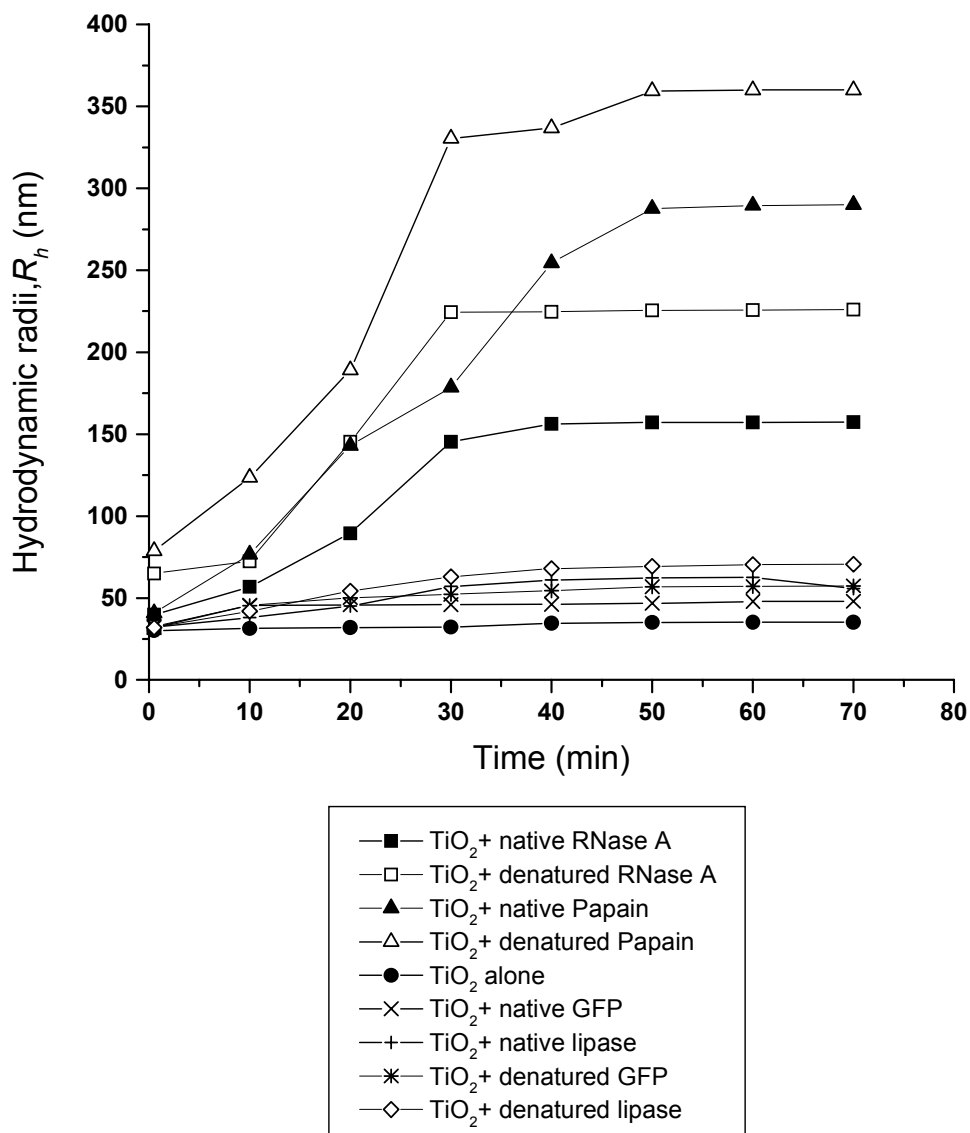
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**Table S1.** The percentage of secondary structure elements of native proteins and thermally denatured proteins in the absence and presence of TiO<sub>2</sub> nanoparticles as estimated from far-UV CD spectra.

Sample	$\alpha$ -Helix	$\beta$ -Sheets	$\beta$ -Turn	Random coil
Lysozyme	31.20	19.10	17.20	32.50
D-Lysozyme <sup>‡</sup>	9.30	22.50	10.20	58.00
D-Lysozyme-TiO <sub>2</sub>	26.70	24.60	14.60	34.10
D-Lysozyme-TiO <sub>2</sub> - NaCl	31.00	18.60	16.80	33.60
Subtilisin A	34.20	20.75	23.04	22.01
D- Subtilisin A	8.80	23.91	18.50	51.21
D- Subtilisin A -TiO <sub>2</sub>	28.90	24.80	20.21	26.09
D- Subtilisin A -TiO <sub>2</sub> - NaCl	33.80	21.20	23.80	21.20

<sup>‡</sup>Denatured Lysozyme



**Fig. S1** The size distribution of  $\text{TiO}_2$  particles and protein sample (both native and thermally denatured) during association by DLS after different time interval.