

Supporting Information

The effect of macromolecular crowding on the FMN – heme intraprotein electron transfer in inducible NO synthase

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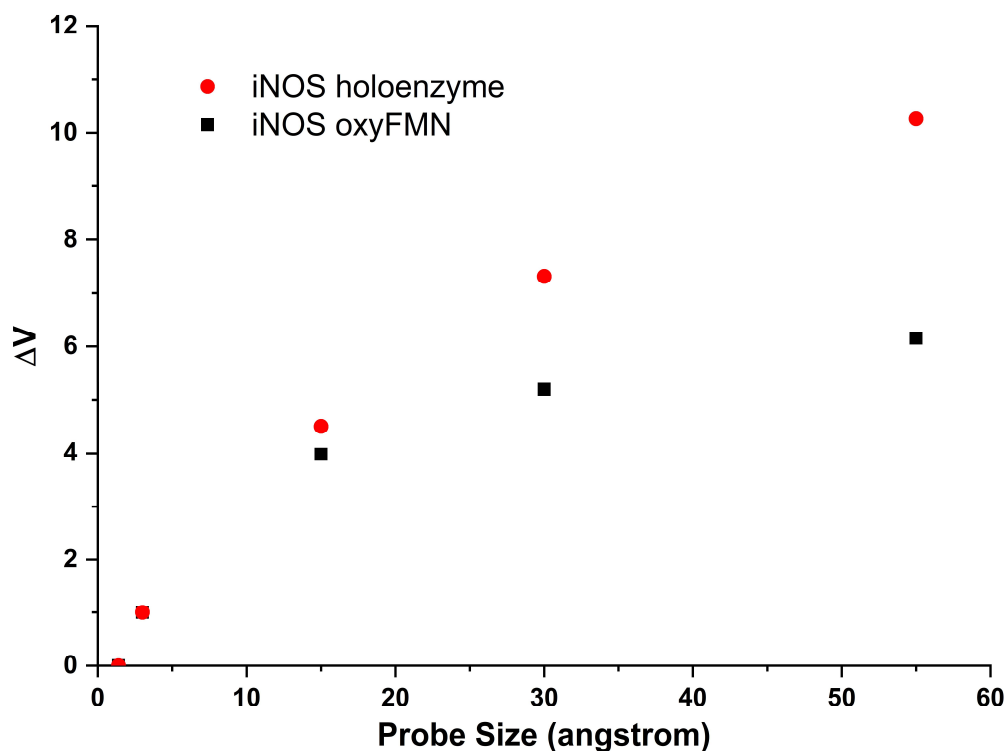


Figure S1. Plot of normalized excluded volumes for iNOS oxyFMN and holoenzyme with different probe sizes (\AA). The normalized volume excluded from the probe is larger in the holoenzyme (red circles) than the oxyFMN construct (black squares).

Table S1. NO synthesis rates of human iNOS holoenzyme in the presence of Ficoll 70. ^a

Ficoll 70% (w/v)	NO synthesis (min ⁻¹)
0	92.5 ± 2.1
1	96.0 ± 3.7
3	100.9 ± 4.1
5	105.3 ± 3.0
7	111.2 ± 3.9
9	118.7 ± 3.7
11	126.6 ± 3.2
13	135.3 ± 6.0
14	142.1 ± 1.9

^a Rates are the average of at least three assays. The final concentration of human iNOS holoenzyme is 20 nM.