

Supplementary Material

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Title: Rapid-Freeze Quench ENDOR Study

Figure S1

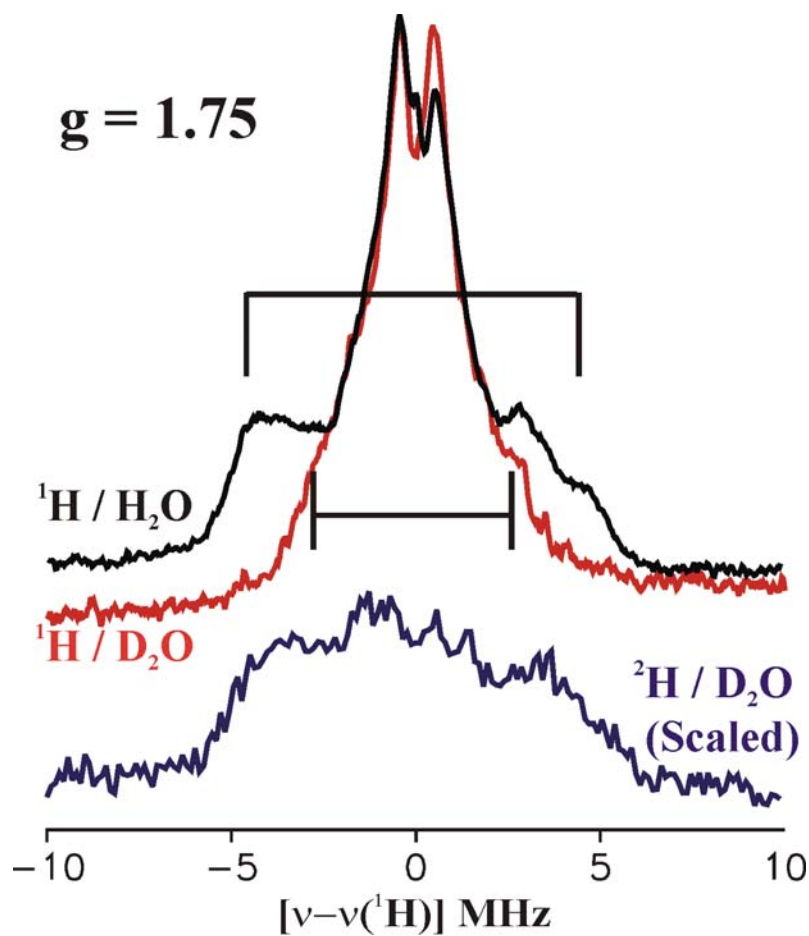


Figure Legend: (Top) CW ^1H ENDOR of CPO-I in H_2O (Black line) and D_2O (Red line). Conditions: m.w. frequency = 35.47 GHz; modulation amplitude = 1 G; sweep rate = 1 MHz/s; 60 kHz broadening of r.f. excitation. (Bottom) Mims ^2H ENDOR of CPO-I in D_2O . Conditions: m.w. frequency = 35.144 GHz; $\tau = 500$ ns; 20 μS rf; repetition rate, 50 Hz; $t(\pi/2) = 52$ ns, $T = 2\text{K}$.