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Supplemental information

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Supporting Material

High Turnover and Rescue Effect of XRCC1 in Response to Heavy Charged Particle Radiation

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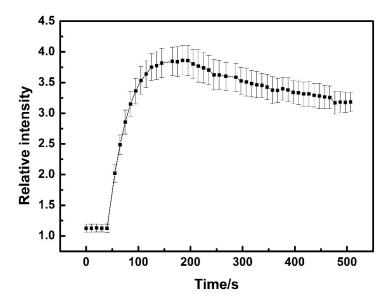


Figure S1. The kinetics of XRCC1 protein in HT1080 (XRCC1-RFP) cells exposed to 5.5 MeV/u Kr ions. The recruitment rate constant k_1 is $2.47 \pm 0.29 \times 10^{-2}$ s⁻¹, and dissociation rate constant k_2 is $1.28 \pm 0.17 \times 10^{-3}$ s⁻¹. The data represent the measured mean value and the standard error of 6 cells. Ion irradiated is 2.0 ± 0.5 per cell.