

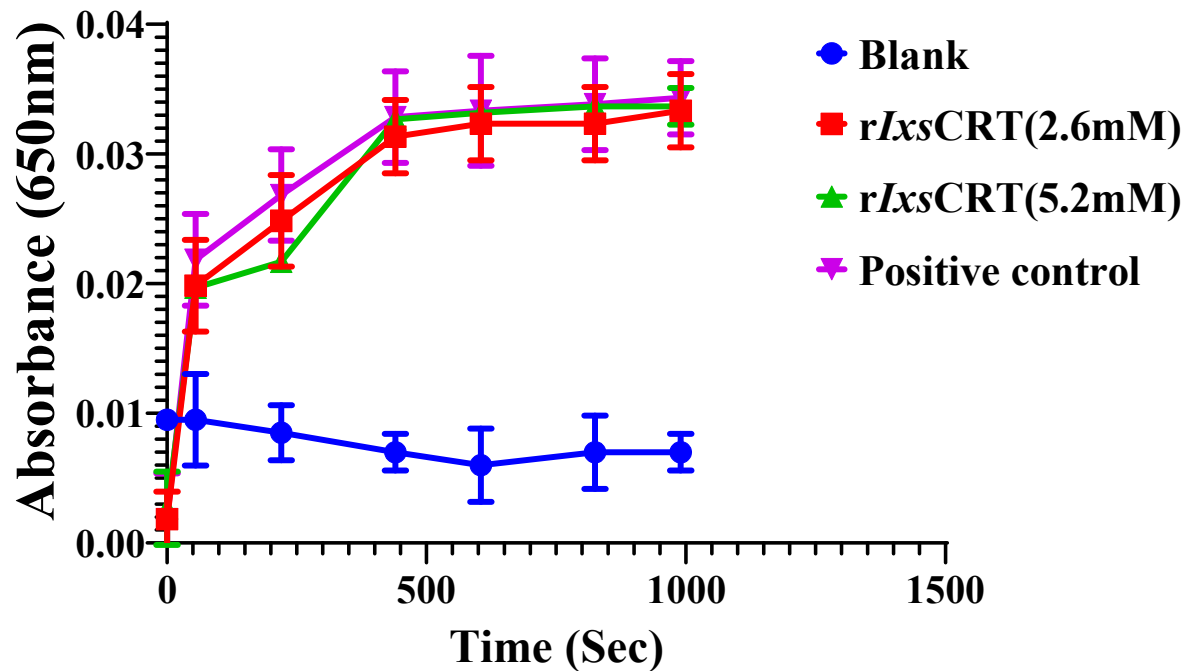


Figure S1: Recalcification time assay demonstrates that rIxsCRT does not delay plasma clotting. To investigate the impact of rIxsCRT on plasma clotting time via the common pathway, a recalcification time assay was conducted. Universal coagulation reference human plasma (15 μ l) was incubated with rIxsCRT at 2.6mM (red) and 5.2mM (green) for 15 minutes at 37°C. Subsequently, 150 mM CaCl₂ was added, and clotting (recalcification) time (λ 650nm) was recorded every 20 seconds for 20 minutes. No significant delay in plasma clotting time was observed to the plasma incubated with rIxsCRT or without rIxsCRT (pink), indicating that rIxsCRT does not affect blood clotting via the recalcification time pathway. Plasma with buffer and without CaCl₂ served as the blank (blue). The assay was performed twice in triplicate, and statistical analysis was conducted using Student's t-test in GraphPad Prism 9.